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VORTEX ASYMMETRY DEVELOPMENT ON A TANGENT OGIVE(U)

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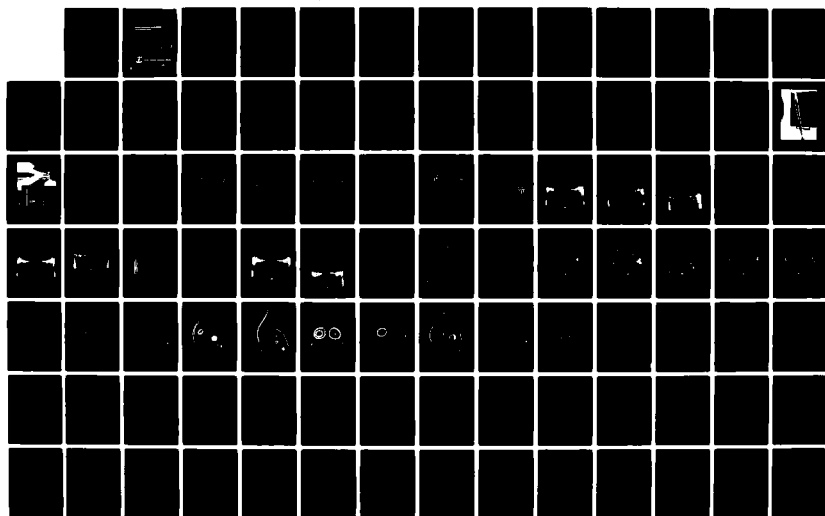
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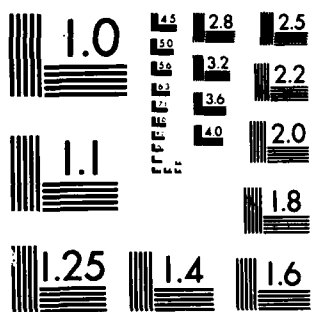
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# **VORTEX ASYMMETRY DEVELOPMENT ON A TANGENT OOIVE**

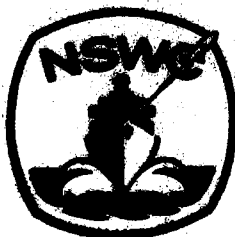
BY WILLIAM J. YANTA, ANDREW B. WARDLAW, JR.  
DANIEL STERNKLAR

RESEARCH AND TECHNOLOGY DEPARTMENT

OCTOBER 1982

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Isa M. Blatstein

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## CHAPTER 1

## INTRODUCTION

At incidences greater than a few degrees, the flow on the leeside of a slender configuration separates and rolls up to form a pair of symmetric vortices. With increasing angle of attack, the pattern becomes asymmetric, even on axisymmetric bodies. In subsonic and transonic flow these vortices have a dominant and nonlinear influence on vehicle aerodynamics.

The asymmetric vortex pattern which develops on a circular body at high angles of attack has been extensively studied.<sup>1-12</sup> In the subsonic flow regime this flow produces a large side force which has been found difficult to repeat experimentally. Even on axisymmetric bodies, the side force varies with changes in the model roll orientation.<sup>13,14</sup> The non-repeatability appears to be primarily due to the occurrence of a multiplicity of stable vortex patterns. Such patterns have been documented by the authors in Ref. 12. The different patterns are most likely triggered by model irregularities on the order of the machining tolerance which occur in the vicinity of the nose tip. Unsteadiness can also contribute to the lack of repeatability problem. Free stream turbulence causes the vortex pattern to jump from one stable configuration to another.<sup>13</sup>

In the present study, crossflow plane velocities and surface pressures have been measured on sharp and slightly blunted tangent ogive models at an incidence of 45°, under the condition of laminar separation. The sharp model was tested with and without a nose trip, which was designed to stabilize the flow field. Results obtained on all runs are presented in this report. This includes a listing of the measured velocities and surface pressures which are tabulated in Appendices A and B respectively, and an analysis of the data which is discussed in the main body of the report.

The data presented in this report differs from previously available information in that it probes in detail the secondary flow regions near the model surface as well as outer or primary areas of the crossflow plane. The resulting measurements allow the presence of secondary vortices and shear layers to be determined. Further analysis is carried out by integrating the crossflow plane velocities to determine the crossflow plane streamlines. The resulting streamline patterns are interpreted in light of topological considerations. From this point of view it is possible to gain an alternate perspective on the onset of asymmetry and the process of vortex shedding.

## CHAPTER 2

## NOMENCLATURE

$\bar{C}_p$	average value of $(p-p_\infty)/(q\sin^2\alpha)$ for 100 data points taken at each visit to a pressure tap
$C_y$	$F_y/(Dq\sin^2\alpha)$
$C_{y\text{peak}}$	maximum $C_y$ value.
$D$	model diameter (5.715 cm)
$F_y$	side force per unit length
$q$	free stream dynamic pressure
$Re_s$	Reynolds number based on freestream properties and $D/\sin\alpha$
$U_\infty$	freestream velocity
$v, w$	velocity components in y, z directions
$x, y, z$	cartesian coordinates (see Figure 1)
$\alpha$	angle of attack
$\Gamma$	circulation ( $\text{m}^2/\text{sec}$ )
$\lambda$	$\Gamma/(\pi D U_\infty \sin\alpha)$ ( $\text{sec}^{-1}$ )
$\phi$	circumferential angle (windward is $\phi = 180^\circ$ )
$\sigma_{C_p}$	standard deviation of $C_p$
$\sigma_{v_c}$	$\sqrt{\sigma_v^2 + \sigma_w^2}$ , where $\sigma_v$ and $\sigma_w$ are the standard deviations of v and w respectively.
$\Phi$	model roll orientation
$\omega$	$[\Gamma/\text{unit area}] D/(\pi U_\infty \sin\alpha)$

## CHAPTER 3

## DESCRIPTION OF THE MODEL, INSTRUMENTATION AND EXPERIMENT

The experimental model shown in Figure 1 was a 5.715 cm in diameter tangent ogive with a nose fineness of 3 and an afterbody length of 9.6 calibers. The sharp nose tip could be unscrewed and replaced with a 10% blunted (spherical) nose tip. Six cross sectional stations were each instrumented with 24 pressure taps located circumferentially at intervals of  $15^\circ$ . Pressures were monitored using three internally mounted  $\pm .1$  psi Setra differential pressure transducers. Each of these devices was connected to a 48 port internally mounted Scanivalve allowing all 144 pressure taps to be sampled. In order to maximize the response of the pressure measuring system the lengths of the tubes connecting pressure taps to Scanivalves were minimized. Pretest calibrations indicated that pressure fluctuations on the order of 500 Hz could be measured.

The crossflow planes were surveyed using a two dimensional, two color backscatter LDV system shown schematically in Figure 2. In order to adequately survey the entire leeward flow field, the model was mounted on the tunnel wall opposite the window through which the LDV measurements were made. The refraction resulting from the oblique passage of the laser beams through the glass was compensated for by optically aligning the focal volumes of the two different components inside the tunnel. Off-axis collecting optics were used to minimize the focal volume size which was estimated to have a diameter of .37mm and a length of 1.47mm. Directional ambiguity for both components were removed with the aid of Bragg cells. A coincident circuit was used to insure that both components of velocity were measured within a pre-selected time window. In general most of the optical and electrical components for the LDV system were manufactured by TSI (Thermo-Systems Inc.). This included beam splitters, color separators, photomultiplier tubes, Bragg cells and counter type signal processors. Scattering particules consisted of olive oil atomized to a 1.5 micron diameter by a Laskin nozzle. The aerosol was injected upstream of the turbulence damping screens to minimize flow disturbance.

Experiments were conducted in the Naval Academy 1m by 1.3m subsonic tunnel which has a nominal free-stream turbulence level of 0.1%. Tests were restricted to an incidence of  $45^\circ$  and free-stream velocity of 24m/sec which produced an  $Re_\delta$  of  $1.5(10^5)$ . As discussed in Ref. 15, this resulted in a laminar boundary layer separation. The wind tunnel model was mounted on the side of the wind tunnel wall illustrated in Figure 3. To increase the rigidity of the mounting, four support wires were attached to the model at a distance of 12.6 calibers from the nose tip.

Pressure alone tests were initially made on the sharp untripped model at the twelve roll angles;  $0^\circ$ ,  $30^\circ$ ,  $60^\circ$ ...  $330^\circ$ . Measurements were integrated to determine the magnitude of the normal and side forces. The model was then positioned to a roll orientation featuring a maximum side force and detailed flow

surveys were initiated. Unfortunately, the flow field exhibited a tendency to change levels of asymmetry during a test and side force levels were also not repeatable from test to test. Accordingly, a trip was added to the model nose tip to stabilize the flow field. The trip, shown in Figure 4 consisted of 0.45mm grit glued to the model surface near the nose in a strip 5mm long and 1mm wide. Pressure alone tests were then repeated to determine a roll orientation which produced high side force levels and flow field surveys were then conducted at this roll angle. A final series of tests were also made on the blunted model using a roll orientation which produced the highest observed blunt model side force. An outline of tests in which LDV data was taken is provided in Table 1.

The surface pressure data were acquired three ports at a time using the internally mounted Scanivalves and transducer arrangement. At each pressure port 100 samples were taken which allowed both pressure mean and standard deviation values to be determined. The LDV velocity data were measured by focusing the system on a specific point in the flow field. Velocity measurements were acquired whenever both v and w components were measured within a 100  $\mu$  sec. window. Here 100 samples were also taken at each point in the flow field allowing both the mean and standard deviation values to be calculated. In the secondary flow region near the leeside of the model surface, measurements were taken with a y, z spacing which varied from .76mm near the model nose tip to 1.27mm on the afterbody crossflow planes. This spacing was increased by a factor of 3 to 4 in the outer portions of the flow field. Pressure alone tests could be completed in about 10 minutes while the LDV surveys which measured velocities at as many as 950 points in a crossflow plane lasted up to three hours.

## CHAPTER 4

## INFLUENCE OF THE NOSE TRIP

During the long experiments in which crossflow plane velocities were measured, the flow field occasionally changed level of asymmetry. This was determined by monitoring the surface pressures throughout the tests. Measured variations in the side force during the two sharp, untripped model tests are shown in Table 1. The level of variation was felt to be unacceptably large, hence the previously described trip was added to the model nose. Trips applied near the model nose have been successfully used by other investigators to stabilize the flow field<sup>16</sup>. The magnitude of the peak local side force,  $C_{y\text{peak}}$ , with and without the trip in place is illustrated in Figure 5. The addition of the trip usually increased  $C_{y\text{peak}}$ , particularly at roll orientations which featured low side force levels in the untripped case. The grit trip also was found to produce a side force which was repeatable throughout long experiments. In successive experiments the repeatability degraded somewhat as can be seen in Appendix B, however  $C_{y\text{peak}}$  was still well reproduced. Application of a tape trip with a similar planform was found to produce a more drastic effect which included reversal of the side force direction. This is more in keeping with the results of Ref. 16 where a tape trip was found to control the side force direction except at roll orientations which placed the trip near the windward plane.

Although addition of the trip stabilizes the flow field, it is relevant to ask whether the presence of the trip alters the fundamental character of the flow field. It was noted in Ref. 12 that a side force characteristic which appears repeatable from test to test and facility to facility is the relation between the axial location at which  $C_{y\text{peak}}$  or  $C_y = 0$  occur and the magnitude of  $C_{y\text{peak}}$ . If the character of the flow field is unchanged by the addition of the trip, the tripped data should reproduce the previously observed relationship. As is shown in Figure 6, data taken on the untripped model from both this study and Ref. 12 are in reasonable agreement with the tripped results. This suggests that the trip locks the flow field into a pattern typical of the untripped model and does not fundamentally alter its character.

## CHAPTER 5

## PRESSURE AND FLOW FIELD MEASUREMENTS

Pressure coefficient and standard deviation data taken on the sharp tripped and blunt models are illustrated in Figures 7 and 8 respectively. During these experiments, results repeated reasonably well during each test and from run to run. The data provided in these two figures is representative of the sharp tripped and blunt model pressure measurements respectively. During the sharp, untripped model tests, the level of asymmetry was low and the measured side force changed during each run. In Figures 9a and 9b are illustrated the circumferential  $\bar{C}_p$  distribution corresponding to the lowest and highest side force levels encountered during runs 1 and 2.

The measured crossflow plane velocity vectors taken in the tests on the sharp untripped, sharp tripped and blunt model are illustrated in Figures 10, 11 and 12 respectively. Clearly visible in these figures are points located adjacent to the model surface where the velocity component parallel to the surface reverses direction. These locations are interpreted as attachment and separation points and are marked by an  $S'_a$  and  $S'_s$  respectively. Also marked by  $S'_s$  are the windward separation points on each side of the body whose locations are estimated using both velocity and pressure data. Evident in Figures 7 and 9 are locations where maximum values of  $\bar{C}_p$  occur. Such points are marked by P in Figures 10 to 12. Similarly, regions on the leeward side of the body exhibiting large pressure gradients in Figures 7 to 9 are marked in Figures 10 to 12 by a G.

As is evident in Figures 10, 11 and 12, the crossflow plane surveys consisted of closely spaced measurements taken near the model surface and measurements taken farther from the model surface which are located a greater distance apart. Along the interface between the finely and coarsely spaced data occur points which have been probed twice; once as part of the finely spaced measurements and once as part of the coarsely spaced measurements. In Figures 10, 11 and 12 both sets of data have been plotted which provides a measure of the repeatability of the results. Near the outer edges of the crossflow plane coincident velocity measurements are generally indistinguishable, but in the vicinity of vortices a difference can often be seen (e.g. Figure 10b).

The vorticity throughout each crossflow plane is calculated by dividing the surveyed area into quadrilateral elements with corners located at points where flow field velocities are measured. The circulation associated with each element is determined from:

$$\Gamma = \oint \bar{v} \cdot d\bar{s} = 1/2 [\bar{n}_{12} \cdot (\bar{v}_1 + \bar{v}_2) + \bar{n}_{23} \cdot (\bar{v}_2 + \bar{v}_3) + \bar{n}_{34} \cdot (\bar{v}_3 + \bar{v}_4) + \bar{n}_{41} \cdot (\bar{v}_4 + \bar{v}_1)] \quad (1)$$

Here  $\bar{n}_{ij}$  is the vector connecting element corners  $i$  and  $j$  while  $\bar{v}_i$  is the velocity at corner  $i$ . The computed circulation is assigned the location of the element centroid. Isovorticity contours resulting from this calculation are displayed for the sharp tripped, sharp untripped and blunt models in Figures 13, 14 and 15 respectively. Also indicated in these figures are regions of high velocity fluctuations in which the standard deviation of the crossflow velocity,  $\sigma_{V_c}$ , exceeds  $.3U_\infty$ .

A convenient method of characterizing the crossflow plane is to divide it into the regions shown in Table 2 which contain vorticity of the same sign. The circulation computed at each element in the crossflow plane is assigned to one of these regions allowing the total circulation in each region to be calculated. The few elements which do not possess a symmetric counter part with respect to the pitch plane are excluded from the summation. The outer portion of the crossflow plane is divided into two primary regions, designated by a P, which contain circulation of opposite sign. Secondary flow structure often is visible near the model surface. On each side of the model the secondary crossflow plane areas are divided into two regions, S1 and S2 which contain circulation of opposite sign. The boundaries between all three regions are somewhat subjective. Most easily determined is the dividing line between regions containing circulation of opposite sign where the zero vorticity contour provides a convenient demarcation line. The boundary between the primary and secondary regions with circulation of the same sign is taken to be the contour with the minimum vorticity value. The calculated circulation of the primary and secondary regions are provided in Table 2.

In two of the cases listed in Table 2, the strength of one of the secondary region,  $\lambda_{S1}$ , is marked with an asterisk. Here the surveyed portion of the flow field clearly omits areas of high vorticity and the calculated strengths is unreasonably low. These tabulated values are estimated using the known ratio of  $\lambda_{S1}$  left to  $\lambda_{S1}$  right from nearby crossflow planes and the measured value of  $\lambda_{S1}$  right.

It is important to note that the circulation contained in each region cannot necessarily be associated with a vortex since not all regions contain vortices. Also, in region S1, there often exists both a strong shear layer which springs from the separation point and a vortex. Here the circulation attributable to each structure cannot be determined.

Additional information concerning the structure of the flow field can be obtained by constructing the crossflow plane streamlines. A streamline can be generated by integrating the equations:

$$\frac{dy}{dt} = v \quad \frac{dz}{dt} = w \quad (2)$$

from a starting point. The starting points are selected by trial and error to highlight regions near the vortices and separation points. To evaluate Equations (2) a description of  $v$  and  $w$  throughout the surveyed portion of the crossflow plane is necessary. Such a description is constructed using a bilinear interpolating function of the form  $a + by + cz + dyz$  to specify each velocity component within an element. Here  $a$ ,  $b$ ,  $c$  and  $d$  are constants evaluated using the measured velocities at the corners of the element. This provides a continuous description

of the velocity throughout the crossflow plane. As is noted in Refs. 18 and 19 the crossflow plane streamlines are not the projection of the three dimensional streamlines into the crossflow planes, but are instead the streamlines produced by the crossflow velocity vector field.

The streamlines determined by the above integration procedure are shown in Figures 17, 18 and 19, for the sharp tripped, sharp untripped and blunt models respectively. These figures illustrate two notable characteristics. First, streamlines originating near the estimated primary separation points do not feed into vortices but instead skirt the recirculation flow region. Second, streamlines near vortex cores often have a pronounced inwards or outwards spiral. Using the velocity measurements of Figures 10 to 12 it is possible to resolve the direction of spiral. Pronounced inwards or outwards spirals tend to occur in flow fields featuring high asymmetry. In such cases primary vortices which are clearly resolvable on adjacent crossflow planes usually retain the same direction of spiral. The more symmetric flow patterns feature vortices with poorly defined directions of spiral. Limit cycles are often observed with the direction of spiral changing across the limit cycle. In these cases it is conceivable that the presence of a spiral rather than a set of closed streamlines is a result of experimental error.



## CHAPTER 6

## 6.1 TOPOLOGICAL NOTIONS

It has recently been suggested that the crossflow plane structure can be conveniently characterized in terms of singularities, or points where the crossflow velocity is zero.<sup>17,18</sup> Several types of singularities occur in the flow fields illustrated in Figures 10, 11 and 12. Saddle singularities occur on the model surface as attachment or separation points. Also classed as saddle singularities are crossflow plane stagnation points interior to the flow field which are formed by the intersection of four streamlines, two directed towards the singularity and two directed away from it. Nodal singularities only occur off the body surface as stagnation points about which the streamlines spiral or circle. This structure is reminiscent of a vortex and in this report, the term vortex and nodal singularity will be used interchangeably. For a more complete discussion of singularities, the reader is referred to references 17 and 18.

These topological notions are useful in analyzing the structure of the crossflow plane for two reasons. First such notions provide a concrete definition of several types of flow field structures. A vortex, for example, must contain a singular point. Thus the left secondary flow region depicted in Figures 10c and 16d is seen to contain a vortex and a shear layer rather than two vortices. Secondly, assuming that the crossflow plane is a continuous vector field and that singularities are limited to points, it can be proved that the following relation must exist between the number of nodes and saddles:<sup>18</sup>

$$N_v - N_s - \frac{1}{2}(N'_s) = -1 \quad (3)$$

Here  $N_v$  is the number of nodes or vortices while  $N'_s$  and  $N_s$  represent the number of saddles on and off the body surface respectively. This rule does not define crossflow plane structure but precludes certain structures. It may also point to the existence of certain flow field features which are not resolvable with the available experimental data.

The streamline integration patterns shown in Figures 16, 17 and 18 illustrate the existence of both vortices and saddle singularities throughout the surveyed crossflow planes. The primary region generally contains two vortices and a saddle point. This saddle point, which is usually located in between these vortices, is an important landmark and will be referred to as the primary saddle point. The secondary region on each side of the body often contains two vortices and a saddle point. The saddle is not always clearly visible, however satisfaction of Equation (3) mandates its existence. In other instances, only a single secondary vortex is present in this secondary region. A number of saddle points occur on the model surface. In all cases an attachment saddle is visible near the center of the model on the leeward side. Also, on each side of the model a separation saddle can be seen marking the windward extent of the separation region. These attachment and separation saddles will be referred to as the rear attachment and

primary separation points respectively. When secondary vortices occur, an additional separation and attachment saddle occur on each side of the model. Not visible in the flow field surveys is a saddle of attachment which must occur on the windward side of the body, often termed the crossflow plane stagnation point.

Using the results from the streamline integrations, it is possible to construct crossflow plane topologies which contain the correct number of nodes and saddles to satisfy Equation (3). As an example, sketches of the crossflow plane topology for the sharp, tripped model are exhibited in Figure 19. The left primary vortex and primary saddle are shown as combined in Figure 19c. Inclusion of these two structures would also satisfy Equation (3).

## 6.2 FLOW FIELD DEVELOPMENT ON THE SHARP TRIPPED MODEL

The tabulated circulations on the surveyed crossflow planes are shown in Table 2. On each plane a net negative circulation occurs which increases in magnitude with increasing distance from the model nose. The magnitude of the net circulation increases in rough proportion to the size of the local side force coefficient. Also indicated in this table are the circulation strengths of the primary and secondary regions P, S1 and S2 associated with each side of the model. As expected, the largest circulation occurs in P. The circulation contained in S1 is about half as large as that in P while that in S2 is on the order of a tenth of that in P.

At the forward most crossflow plane probed, which is at  $X/D = .75$ , the outer edges of two primary vortices can be seen. In this crossflow plane which is illustrated in Figure 10a, the primary saddle is not fully visible, but is likely offset to the left.

The crossflow plane velocity field at an axial station of  $X/D = 1.3$  is shown in Figure 10b and features two primary vortices but no secondary vortex structure. The vortices and primary saddle point appear to be symmetrically located; however, the rear attachment point, marked by an  $S_a'$  is offset slightly to the right. Also the velocities between the two vortices, second row behind the model are all pointing to the left. As is shown in Figure 16a, the resulting streamline pattern is highly skewed. The left and right vortices both spiral outwards and the windward streamline from the primary saddle point does not attach to the model surface, but moves around the left vortex and then out the leeward side of the visible flow field. A topological sketch of this crossflow plane which satisfies Equation (3) is provided in Figure 19a.

At an axial station of  $X/D = 2.6$ , both primary and secondary vortices are visible in Figures 10c and 16b. The left primary vortex has moved away from the model surface while the right primary vortex has rotated towards the leeward side. The primary saddle point has moved away from the model and to the left. The windward streamline from the primary saddle point feeds into the left vortex which has reversed its direction of spiral when compared to the axial station at  $X/D = 1.3$  and now spirals inwards. The right primary vortex retains the outwards spiral visible at  $X/D = 1.3$ . Streamlines originating in the vicinity of the right primary separation point pass between the two primary vortices and leave the visible flow field from the left side. The streamlines originating near the left primary separation point also leave the visible flow field from the left side.

As can be seen in Figures 10d and 16c, the same flow field structure which exists at  $X/D = 2.6$ , persists at  $X/D = 3.6$ . The left primary vortex has moved farther from the model surface, but it still spirals inward and is fed by a streamline from the primary saddle point. The right vortex continues to spiral outwards, except very near to the vortex core where a limit cycle occurs. The topology sketched in Figure 19b which satisfies Equation (3) is representative of the crossflow plane structure at  $X/D = 2.6$  and  $3.6$ .

The maximum measured side force coefficient occurs at  $X/D = 4.7$  and the accompanying flow field structure differs from that at  $X/D = 2.6$  and  $3.6$ . In Figure 10e only the right primary vortex is clearly visible. The distance between the left primary vortex and primary saddle point has decreased suggesting that these two structures have combined. The term combined is applied since both structures must disappear simultaneously in order to satisfy Equation (3). A careful construction of streamlines in the vicinity of the left primary vortex and adjacent saddle which is shown in Figure 16d indicates that the process of combination is not complete. The right primary vortex retains the outwards spiral visible at upstream stations and has moved leeward to a position nearly behind the model. The secondary region has become highly skewed with the rear attachment points and secondary separation points rotated in a counter-clockwise direction. On the right side of the model, two counter-rotating secondary vortices are present while on the left side only one secondary vortex which rotates in a counter-clockwise manner can be seen. The clockwise rotating vortex and adjacent saddle point visible on this side of the model at  $X/D = 2.6$  and  $3.6$  have combined to leave a strong shear region. An examination of the flow field adjacent to the left primary separation point indicates the formation of a region of counter-clockwise rotation. Although this is not particularly evident in Fig. 10e, the circulation of a number of adjacent elements in this region is positive suggesting the formation of a new secondary vortex. The calculated strength of this new vortex is given in Table 1. A plausible topology for this crossflow plane which satisfies Equation (3) is shown in Figure 19c. Here the left primary vortex and saddle are taken to be combined and are therefore not shown. Inclusion of these two structures would also satisfy Equation (3).

Circumferential pressure profiles measured at the axial stations of  $X/D = 2.6$ ,  $3.6$  and  $4.7$  are shown in Figure 7. It can be seen that flow field asymmetry produces differing levels of pressure on each side of the model. Lowest pressures occur on the side of the model with the closest primary vortex. The differing pressure levels occurring on each side of the model are bridged by sharp pressure gradients on the leeward side of the model. These gradients extend from below each primary vortex core to the rear attachment point and are indicated by a G in Figure 10e. At an  $X/D$  of  $2.6$ , both primary vortices are located fairly close to the model surface and two pressure gradients of opposite sign occur. A single sharp pressure gradient exists beneath the right primary vortex at  $X/D = 3.6$  and  $4.7$ . Also indicated by a P in Figure 10 are points on the model surface where the pressure standard deviation reaches peak value. These peak values are located in the vicinity of the large pressure gradients and are likely caused by an unsteady circumferential motion of the vortex pattern. Such unsteadiness moves the position of the surface pressure gradients and produces large pressure fluctuations at fixed points on the model which are located nearby.

A comparison of Figures 7 and 10 indicates that secondary vortices have little discernable effect on the measured surface pressures. This is probably attributable to the small circulation strengths of these structures. Table 2 indicates that the circulation contained in the S2 region is typically small. The strength of the vortices in the S1 region cannot be determined since this region contains both a strong shear layer and a vortex.

### 6.3 FLOW FIELD DEVELOPMENT ON THE SHARP UNTRIPPED MODEL

On the sharp untripped model, surveys were carried out at  $X/D$  values of 2.6 and 5.7 with the latter survey covering only the secondary region. From Appendix B it is evident that the side force levels on the untripped model are much lower than those measured on the tripped model. As was previously mentioned, fluctuations in the surface pressures were noted in tests involving the untripped sharp model. The level of variation is indicated in Table 3 where samples of side force data spanning runs 1 and 2 are shown. The crossflow planes at  $X/D$  of 2.6 and 5.7 were probed in runs 1 and 2 respectively. It can be seen from Table 2 that side force levels in both of these runs were fairly steady at the axial locations where the velocity measurements were made.

At the axial station of  $X/D = 2.6$  little asymmetry is visible in the crossflow velocity vector plots and streamline contours of Figures 11a and 17 respectively. As is shown in Table 2, the net circulation is nearly zero and the side force coefficient, although fluctuating slightly, is also small. The crossflow plane clearly contains two primary vortices and on each side of the model two secondary vortices. The streamlines originating near the estimated primary separation points do not roll up into the primary vortices but skirt the recirculatory region and pass out of the surveyed portion of the flow field on the side of the model from which they originated. This is in contrast to the asymmetric case shown in Figure 16b where the streamlines originating near the right primary separation point pass between the two primary vortices and out of the visible portion of the flow field from the left side. Another notable aspect of the streamline pattern is the windward streamline from the primary saddle point. As in the asymmetric case this streamline does not attach to the body but circles around the left vortex. Neither of the primary vortices has a well defined direction of spiral and limit cycles occur near each vortex.

At an axial station of 5.7, only the secondary portion of the flow field was surveyed. The primary vortices appear to have moved to the right since the rear attachment point is on the right side of the model. On the left side of the model two counter rotating vortices are visible in the secondary region shown in Figures 11b while on the right hand side only one vortex appears to exist. The second vortex has presumably combined with the adjacent saddle in a similar manner to that observed on the right hand of the sharp, tripped model at  $X/D = 4.7$  (see Figure 16e).

The pressure distributions on the sharp untripped model are presented in Figure 9 and display the same general features which occur in the asymmetric case. In low side force cases where the flow field is relatively symmetric, a sharp pressure gradient occurs beneath each primary vortex. A single pressure gradient occurs when a larger side force is present (e.g. Figure 9b) and is likely located below the closer of the two primary vortices. As in the case of the tripped model, the secondary vortices do not induce a discernable effect on the circumferential pressure distribution.

## 6.4 FLOW FIELD DEVELOPMENT ON THE BLUNTED MODEL

The blunt model was tested at a roll orientation producing a  $C_{y\text{peak}}$  of .95, which is one of the highest values observed for this model. The velocity data was measured at axial stations with  $X/D$  values of 2.6 and 5.7.

Crossflow plane velocities and streamlines at  $X/D = 2.6$  are shown in Figures 12a and 18a respectively. This crossflow plane contains two primary vortices and two secondary vortices of opposite rotation on the left side of the model. On the right side of the model only a secondary vortex of clockwise rotation is partially visible. The primary vortex pattern is slightly offset to the left side of the model. As is shown in Table 2, the net circulation is positive as is the local side force. This is in contrast to the sharp tripped model case where a net negative circulation is associated with a positive side force. The streamlines in the vicinity of the right primary vortices show a pronounced outwards spiral while those near the left primary vortex feature a limit cycle with an outwards spiral inside of the cycle and an inwards spiral outside of it. Streamlines originating near the primary separation points skirt the recirculatory flow region and leave the flow field from the same side on which they started. The windward streamline from the primary stagnation point does not attach to the body surface, but instead circles around the right vortex. When compared to the sharp untripped model streamline pattern, a strong similarity is evident. In the blunt model case, though, the primary vortices appear to have a more defined direction of spiral.

The blunt model achieves its maximum side force at  $X/D = 5.7$ . The measured flow field at this axial station is displayed in Figures 12b, 18b and shows significant asymmetry. The primary vortex pattern is offset to the left. Unlike the tripped, sharp model flow field, the left hand vortex has not moved away from the model. The secondary flow field region has two counter rotating vortices and a saddle on each side of the model but these areas are clearly not symmetric in structure or location. The attachment and separation points noted in Figure 12b are offset in a counter-clockwise direction. On the left side of the body the secondary vortex of clockwise rotation has moved away from the body surface. The net circulation over the surveyed portion of the flow field is slightly positive as indicated in Table 1. The streamline pattern which is shown in Figure 18b features primary vortices which have a well defined outwards spiral. This structure is reminiscent of that visible on the sharp tripped model at  $X/D = 1.3$  (see Figure 16a). As in the sharp, tripped model case, streamlines originating near the right primary separation point appear to pass between the two primary vortices and then out of the surveyed portion of the flow field from the left side. An unusual aspect of the blunt model flow field can be seen by considering Figures 8 and 15b which indicate that both the velocity and surface pressures show very high levels of fluctuation.

The pressure profiles on the blunted model are very similar to those on the sharp model. The different pressure levels which form on each side of the model when a side force occurs are bridged by sharp pressure gradients which occur beneath the vortex nearest to the model surface. The symmetric primary vortex pattern, which occurs at  $X/D = 2.6$  features pressure gradients beneath each primary vortex.

## CHAPTER 7

## DEVELOPMENT OF FLOW FIELD ASYMMETRIES

It has been suggested that flow field asymmetry is a manifestation of a hydrodynamic instability which develops when primary vortices are crowded together.<sup>19</sup> Peake, et al.<sup>11</sup> form the hypothesis, based on Nishioka and Sato's<sup>20</sup> incompressible cylinder data, that amplification of perturbations in the flow field near the primary saddle point results in the development of the asymmetric flow field. Irregularities in the model geometry serve only to determine the extent and direction of the flow field asymmetries. The results from the current study support the hypothesis that the flow field near the primary saddle point plays a principal role in the formation of the asymmetric flow field. Many of the crossflow planes surveyed appear to be symmetric both with respect to vortex location and strength. However, in all cases the windward streamline from the primary saddle point does not attach to the body surface but instead circles about one of the primary vortices as is indicated in Figures 16 to 18. It thus seems to be this streamline which first reflects flow field asymmetry and presumably only small perturbations in the vicinity of the saddle point are sufficient to cause this streamline to detach from the model surface.

Using the streamline traces of Figures 16 to 18 it is possible to construct a description of vortex shedding in terms of saddle and nodal singularities. Small perturbations near the primary saddle point leads to a detachment of the windward primary saddle streamline from the body surface, as is shown in Figures 17 and 18a. This streamline initially appears to roll up into one of the two primary vortices, neither of which have a well defined spiral direction. Figures 16a and 18b suggest that as the asymmetry in the crossflow plane grows, both vortices tend to develop a well defined outwards spiral. The windward streamline from the primary saddle now circles one of the vortices and then passes out the leeward side of the surveyed flow field. This topology is illustrated in Figure 19a and still features primary vortices which are relatively symmetrically located. As the crossflow plane asymmetry increases, one of the vortices moves away from the model and reverses its direction of spiral to inwards as illustrated in Figures 16b and 16c. The windward streamline from the primary saddle now feeds into this vortex and the resulting crossflow plane topology is illustrated in Figure 19b. Further asymmetry development leads to a combination of a primary vortex and the primary saddle. Figure 16d suggests that such a combination occurs while Figure 19c illustrates the resulting topology. Clearly, in order to satisfy Equation (3), the vortex and primary saddle must simultaneously disappear from the flow field.

It is of interest to compare the topological description of asymmetry development with the more conventional view of this process. Traditionally the crossflow plane has been visualized as containing both shed and attached primary vortices. Each attached vortex is connected to a primary separation point by a feeding sheet. As asymmetry develops and a vortex starts to move away from the body surface, the feeding sheet is torn and the vortex is shed. In the current

study the calculated crossflow plane streamlines which originate near the primary separation points do not feed into vortices. Hence the current data does not define a feeding sheet and an analog to the tearing of the feeding sheet is not evident. The clearest topological landmark visible in the asymmetry development process is the combining of the primary saddle and a primary vortex. This occurrence provides a convenient definition of vortex shedding in the current study. However, the present study is limited in scope and it is not clear whether such a combination process takes place as subsequent vortices are shed or under different test conditions. Thus, the general applicability of this definition of vortex shedding remains to be demonstrated.

The blunt model experiences, in general, a much lower level of side force than does the sharp model. Not only are maximum side loads lower, but average values taken over many different roll angles are significantly less. The maximum local side force occurs on the blunt model at  $X/D = 5.7$ . The resulting velocity and streamline data at this axial station are shown in Figures 12b and 18b respectively, and represent a roll orientation with the highest observed side force. From these figures it is evident that the maximum degree of flow field asymmetry which occurs on the blunt model is much less than that observed on the sharp model (see Figures 10 and 16). In fact, the degree of asymmetry is sufficiently low on the blunt model to suggest that vortex shedding does not take place. The reason for the difference in asymmetry levels observed on the sharp and blunt models remains unclear. A comparison of the blunt measurements taken at  $X/D = 2.6$  with those at the same axial station on the sharp and sharp, tripped models indicates that the general flow field structure is qualitatively the same. Quantitatively some differences are detectable which include a 10% to 15% reduction in primary vortex strength in the case of the blunt model. An interpolation of the measured velocities along the pitch plane indicates that the primary saddle point is closer to the body surface on the blunt model than on the sharp model. Also, on the blunt model asymmetries in vortex strengths are principally confined to secondary vortices. However, it is difficult to construct an explanation for the apparent increased stability of the blunt flow field from any of these observed differences and the best hypothesis appears to concern the absence of a sharp nose tip. Near the tip of a sharp nose the local diameter is small and local irregularities may amount to extremely large local perturbations. A similar perturbing mechanism does not exist on the blunt model.

## CHAPTER 8

## SUMMARY AND CONCLUSIONS

A tangent ogive model with nose fineness of three has been tested in incompressible flow at an incidence of  $45^\circ$  and with a Reynolds number producing laminar separation. The model was rigidly supported in the wind tunnel which had a streamwise turbulence level of .1%. The model's sharp nose tip was interchanged in some tests with a 10% spherically blunted one. In tests on the sharp model, a strip of grit placed near the nose was often used to stabilize the flow field. Both surface pressures and crossflow velocities were measured on several crossflow planes. A two component LDV system was used to probe the flow field near the primary separation points as well as further out from the model. Axial stations upstream of the location at which the maximum side force occurred were investigated. Based on the data taken in this study the following conclusions can be drawn:

1. Use of a grit trip near the model nose stabilizes the flow field without changing its basic side force characteristics.
2. In addition to two primary vortices and a primary saddle, the flow field generally contains two counter-rotating secondary vortices and a saddle point on each side of the model.
3. The development of the asymmetric flow field on the sharp tripped model up to the point of maximum side force can be characterized by the following three steps:
  - a. Flow field asymmetries seem to originate with instabilities at the primary saddle point. The windward streamline leaving this point detaches itself from the body surface, circles about one of the vortices and then moves out into the leeward flow field.
  - b. The vortex circled by this primary saddle point streamline moves away from the model.
  - c. The primary saddle and a primary vortex appear to combine on the crossflow plane at which the peak side force occurs. The point of combination appears to offer a convenient definition of vortex shedding.
4. Blunting the model nose by 10% drastically reduces side force and the degree of flow field asymmetry. The windward primary saddle point streamline detaches from the model and circles a primary vortex as in the sharp model case. However, at the axial station featuring maximum  $C_y$ , neither primary vortex appears to be in the process of shedding. The increased stability of the blunted model flow field is hypothesized to be related to the absence of a slender nose tip on which model irregularities become large perturbations.



ACKNOWLEDGMENTS

This project was supported by William C. Volz of the Naval Air Systems Command. The authors wish to thank Commander Paul Schlein and his staff at the U. S. Naval Academy for making the wind tunnel testing facilities available.

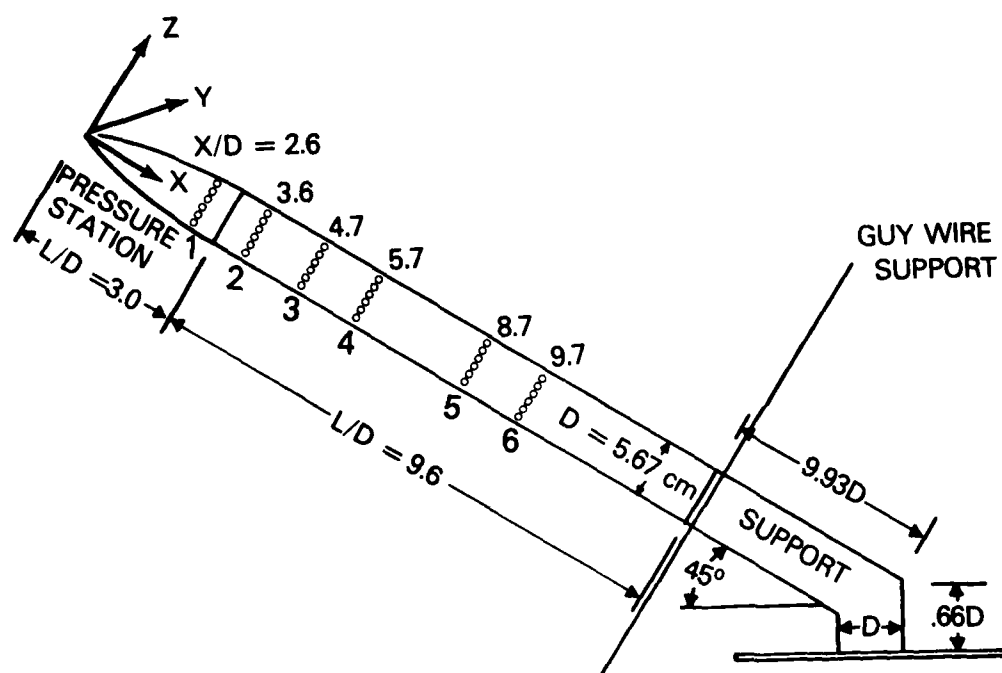


Figure 1. Tangent ogive pressure model and support

## 2-D BACKSCATTER LDV

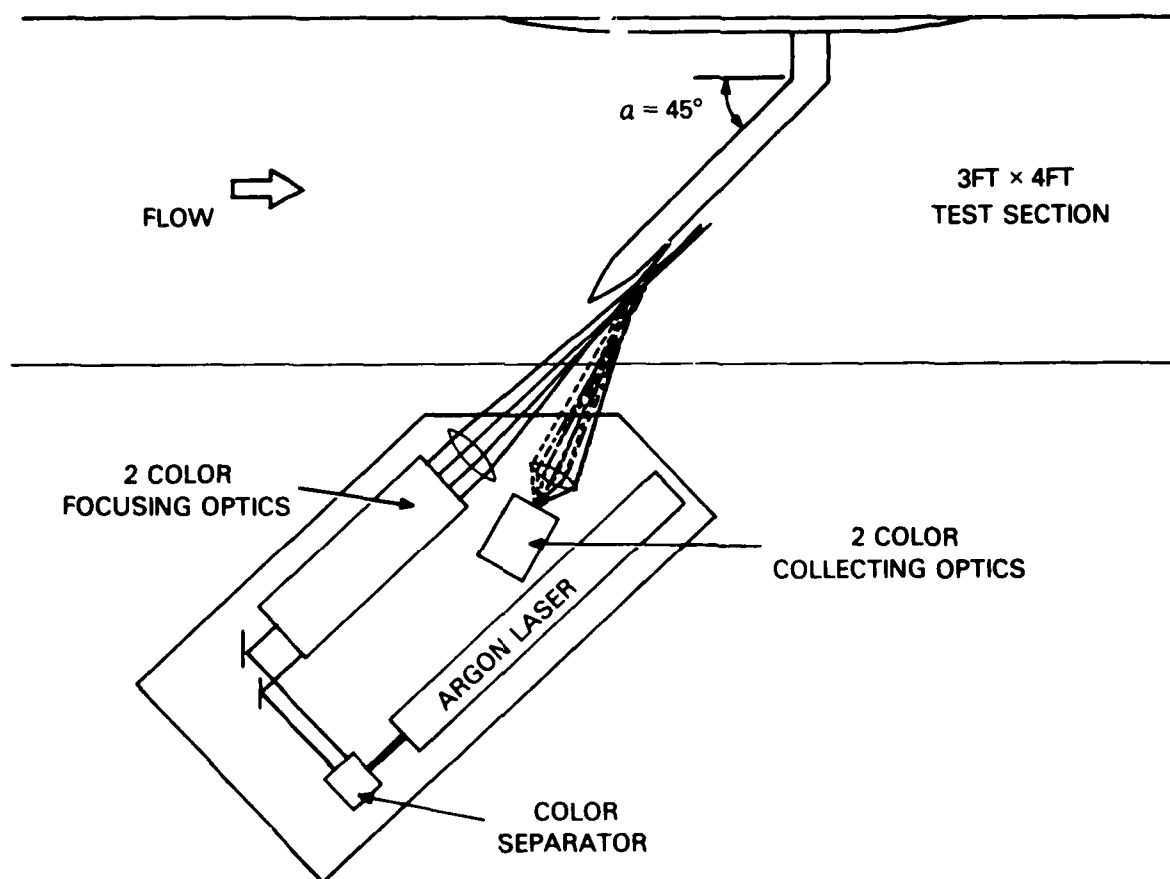


Figure 2. Schematic of the laser doppler velocimeter

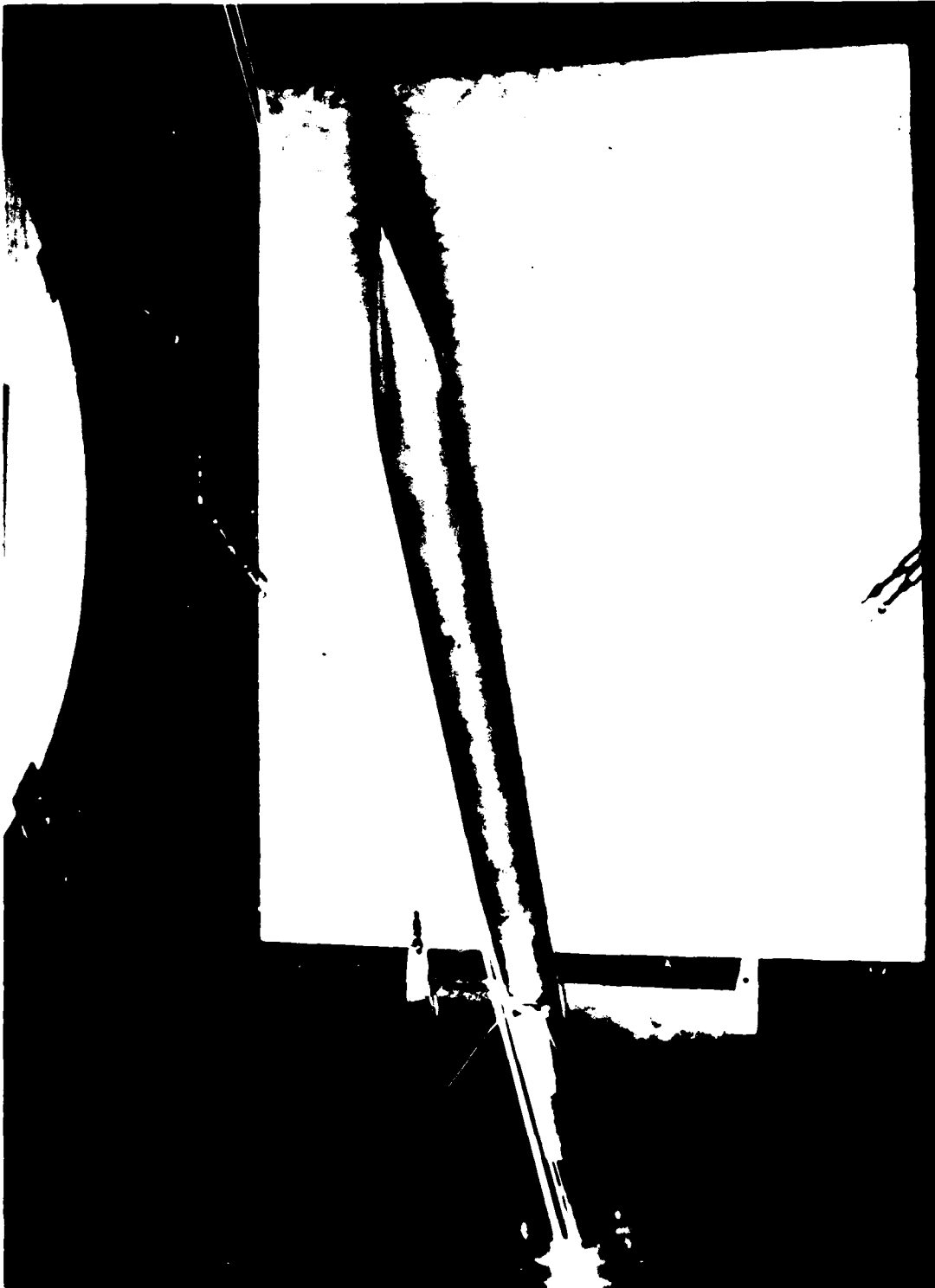


Figure 1. Pressure model mounted in the wind tunnel



Figure 4. Nose trip made from thin wire.

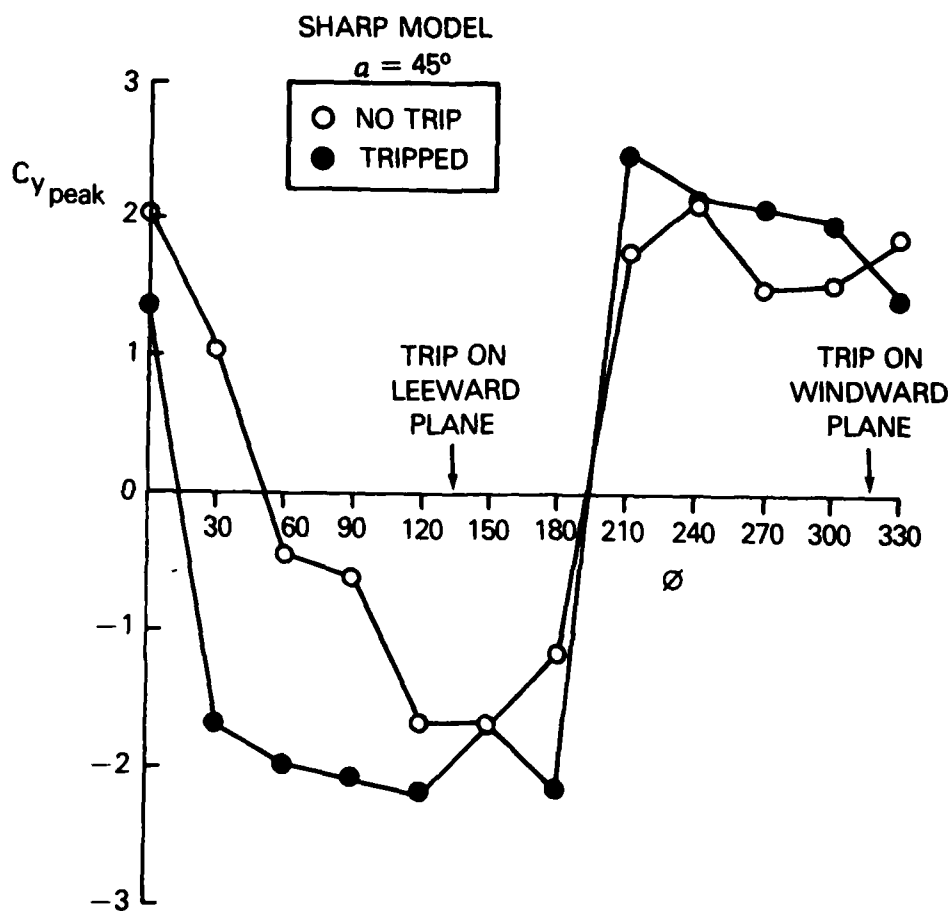


Figure 5.  $C_{y \text{ peak}}$  as a function of model roll angle

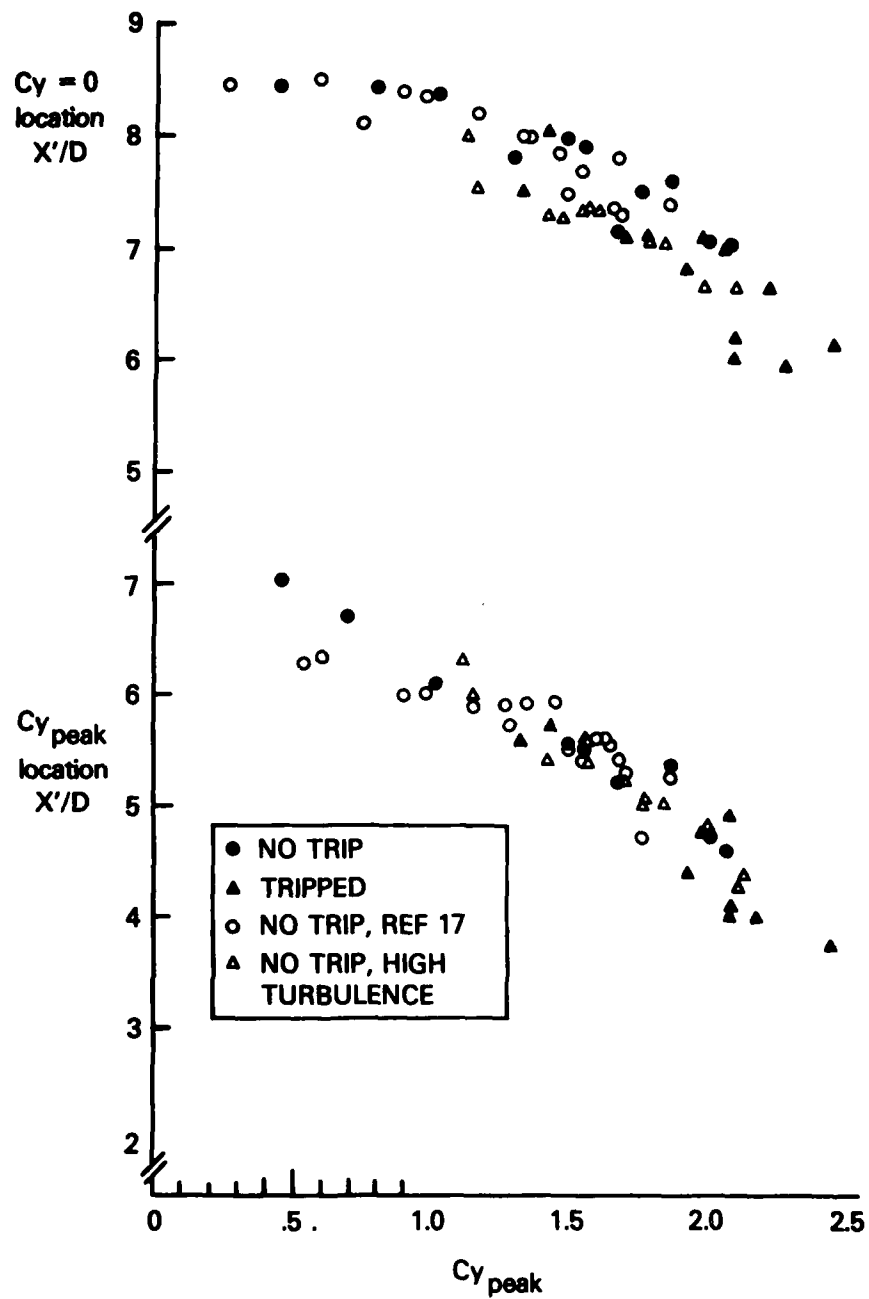


Figure 6. Axial location of  $C_{y\text{ peak}}$  and  $C_y = 0$  as a function of  $C_{y\text{ peak}}$

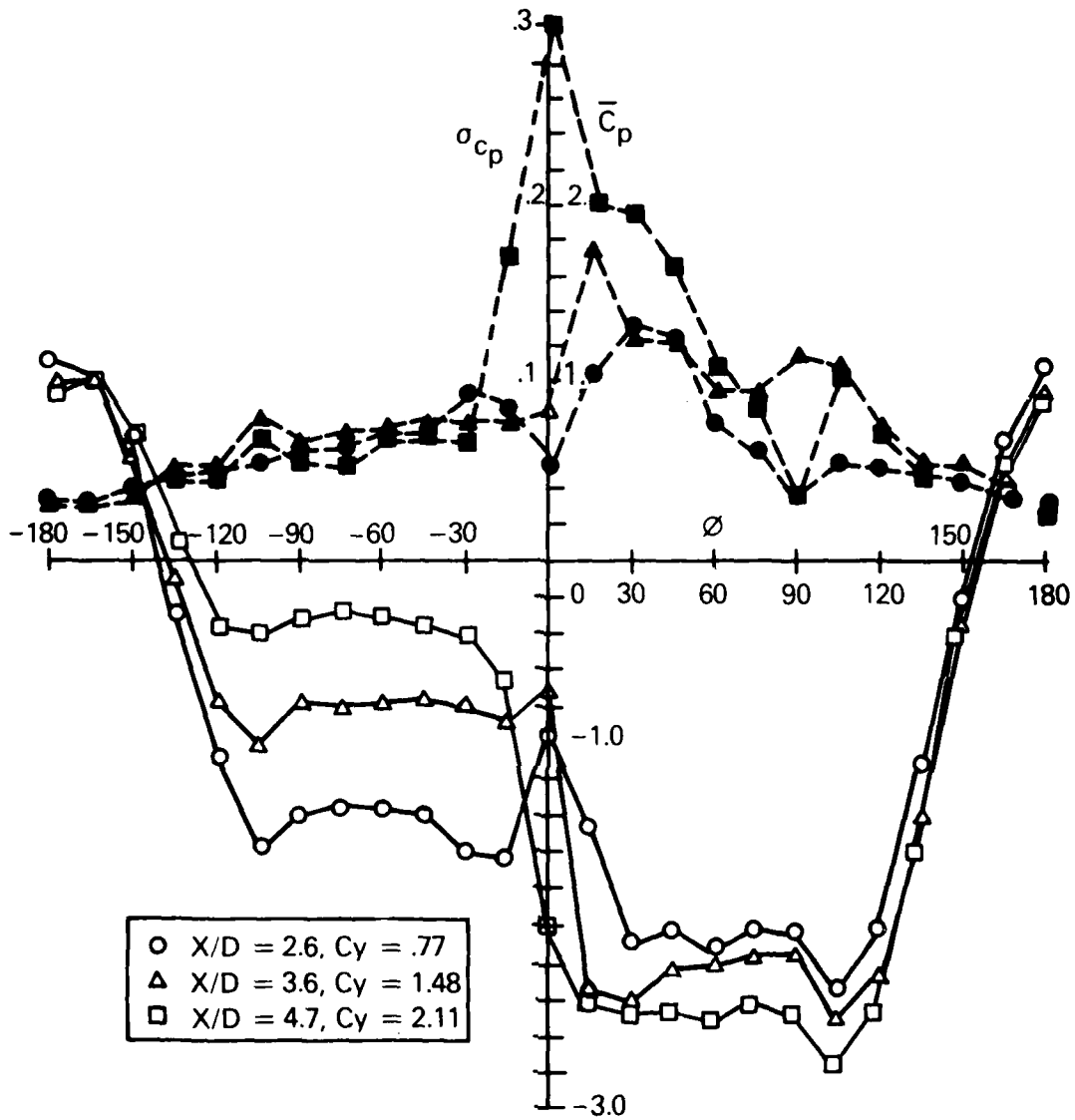


Figure 7. Circumferential pressure distributions on the sharp, tripped model. Open Symbols are  $\bar{C}_p$  and solid ones are  $\sigma_{C_p}$



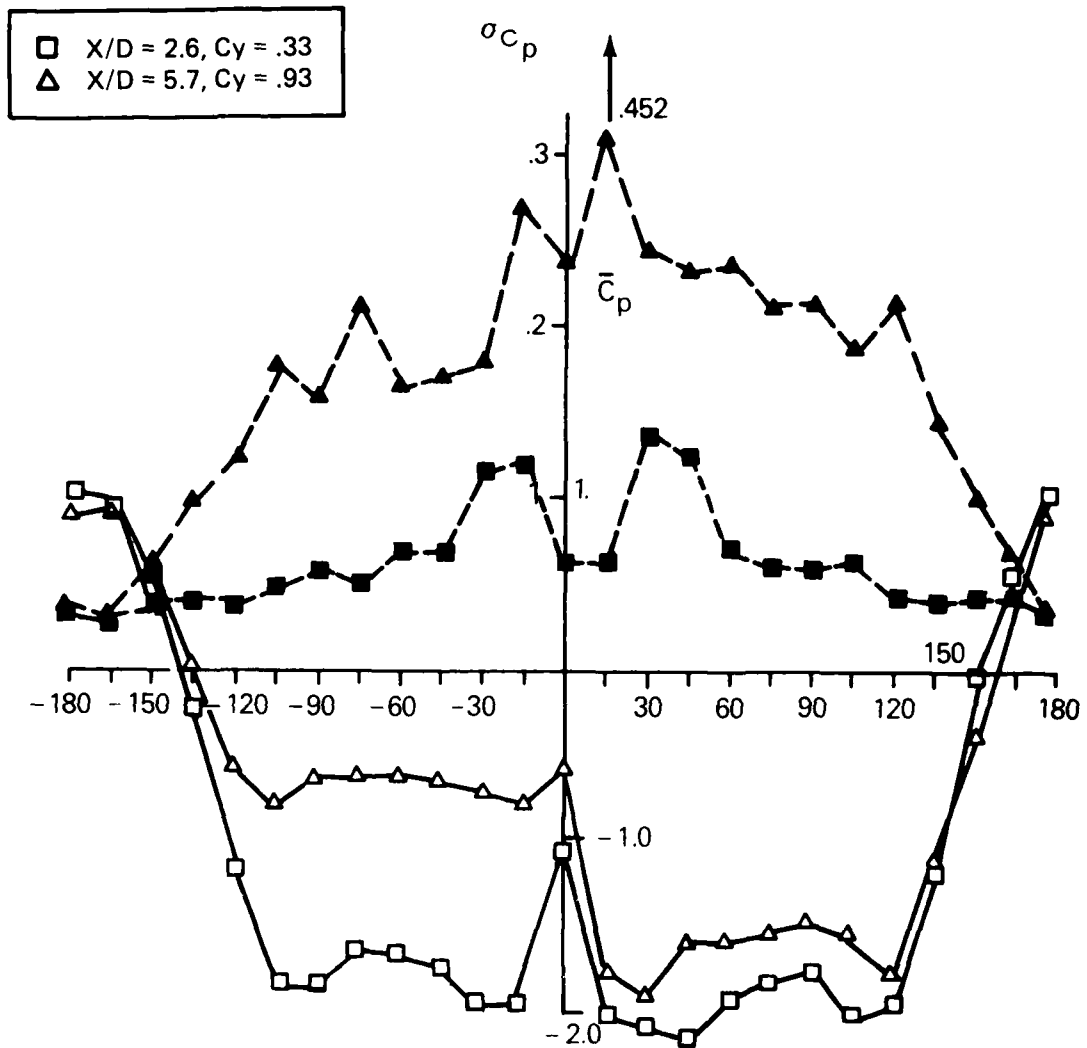


Figure 8. Circumferential pressure distributions on the blunt model.  
Open symbols are  $\bar{C}_p$  and solid ones are  $\sigma_{C_p}$

A) Highest side force case.

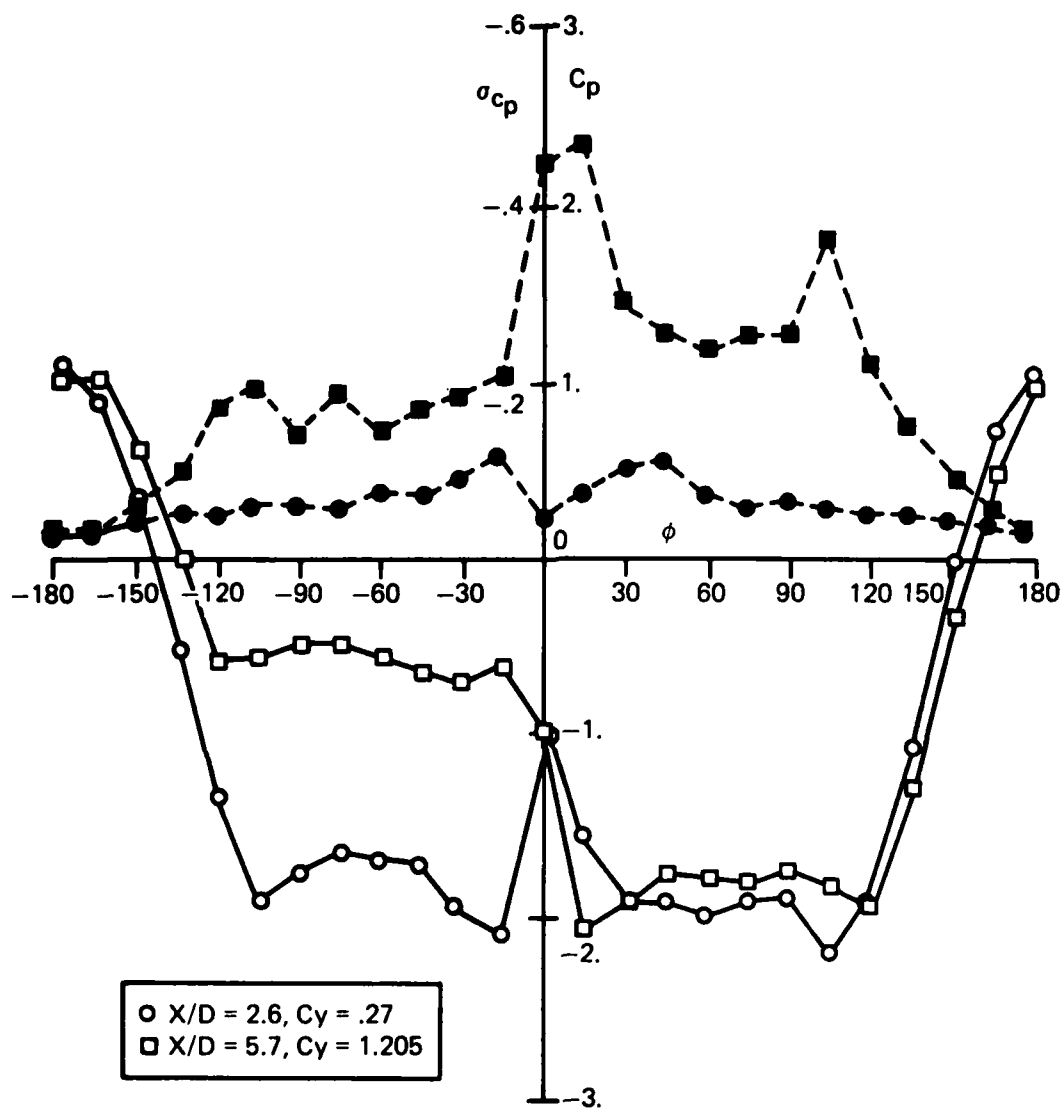


Figure 9. Circumferential pressure distribution on the sharp, untripped model. Open symbols are  $C_p$  and solid symbols are  $\sigma_{C_p}$

B) Lowest side force case

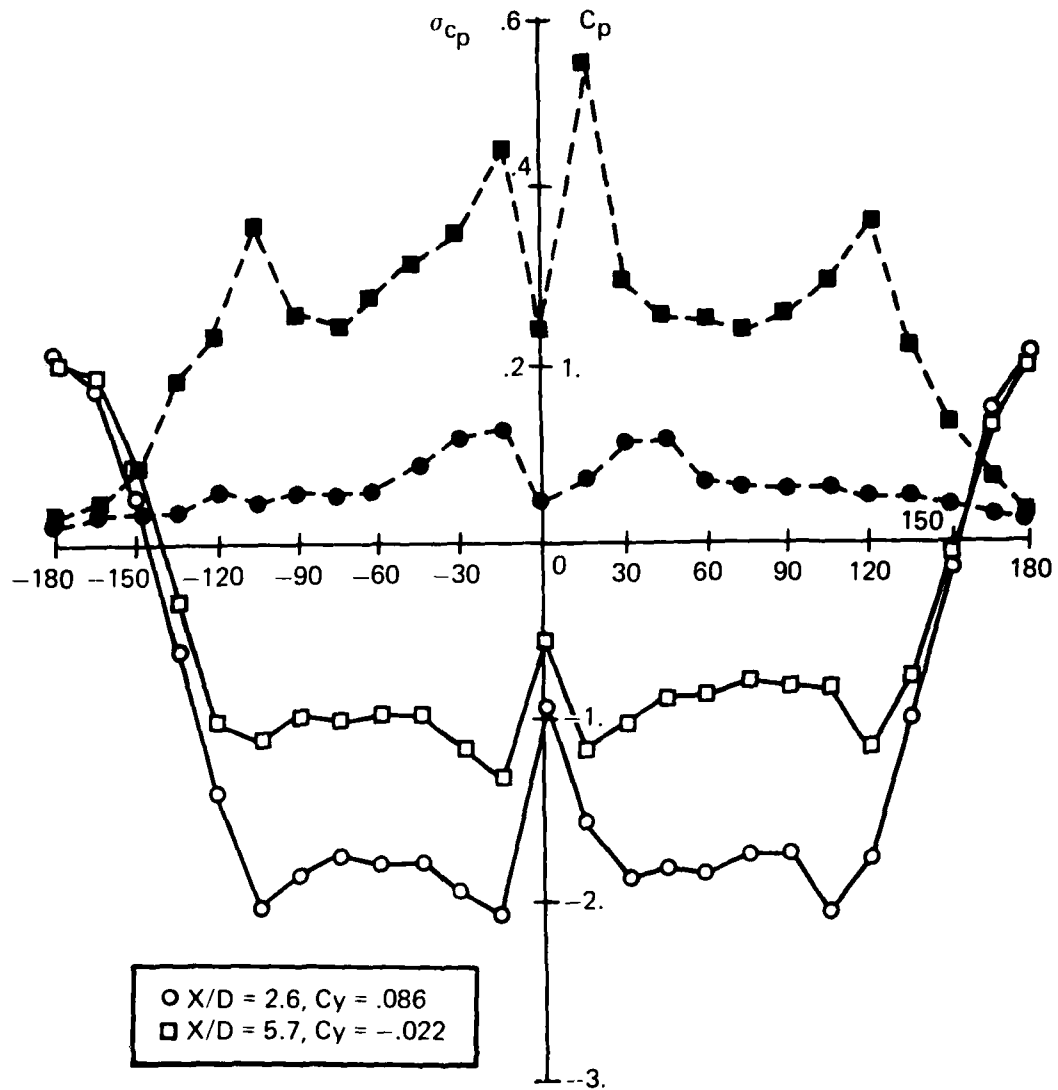


Figure 9. (Continued)

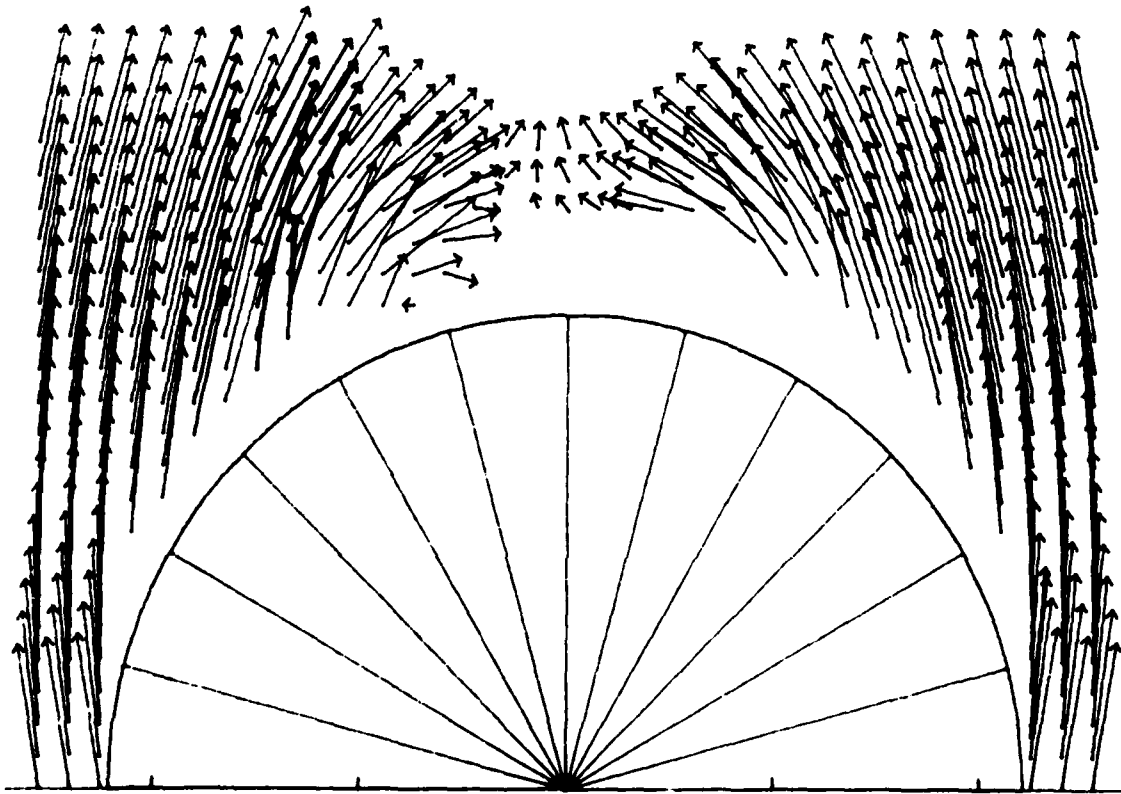
A)  $x/D = .75$ 

Figure 10. Measured crossflow plane velocity vectors on the sharp, tripped model.  $S'_a$  and  $S'_s$  are attachment and separation points respectively. The P represents peak  $\sigma_c$  locations while the G indicates regions of sharp pressure gradients.

B)  $X/D = 1.3$

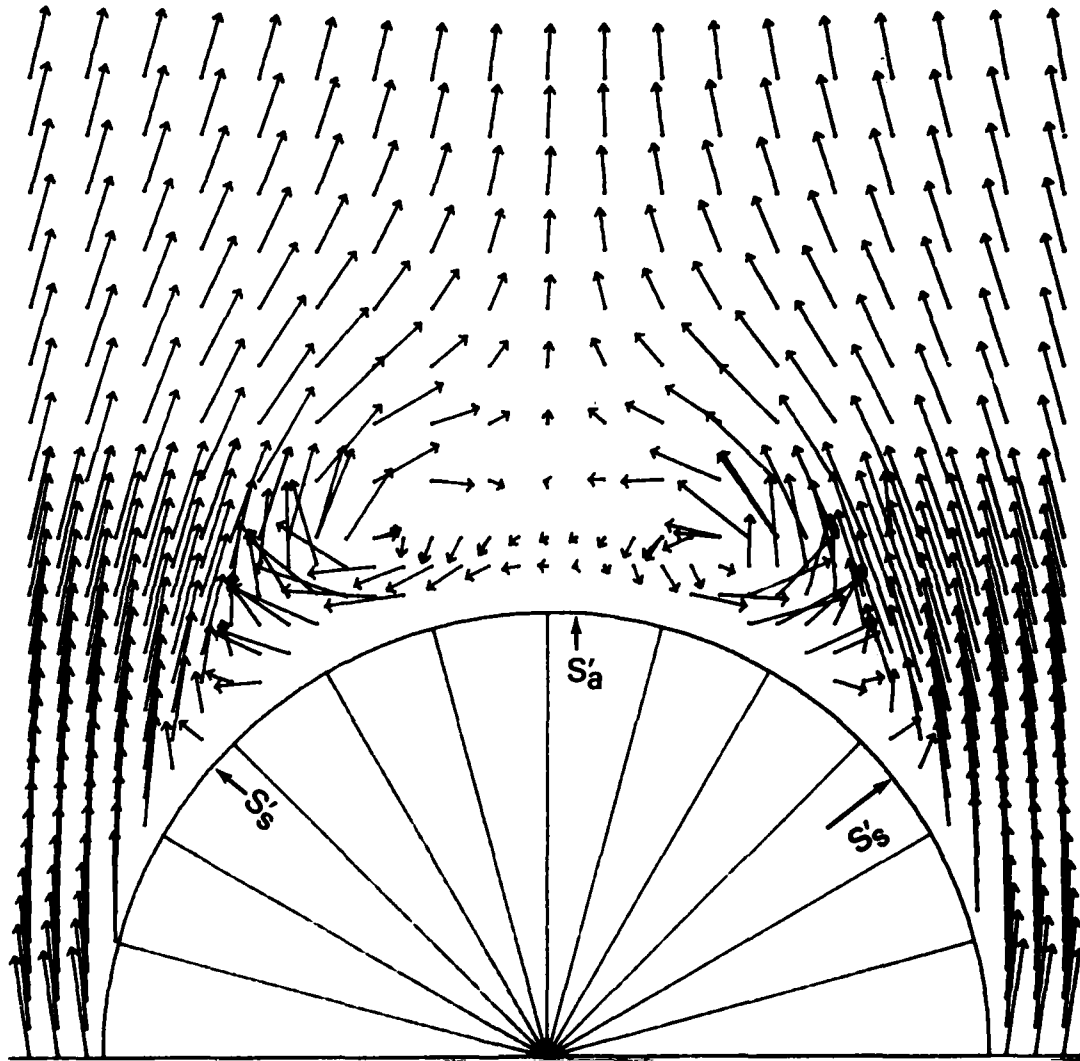


Figure 10. (Continued)

c)  $X/D = 2.6$

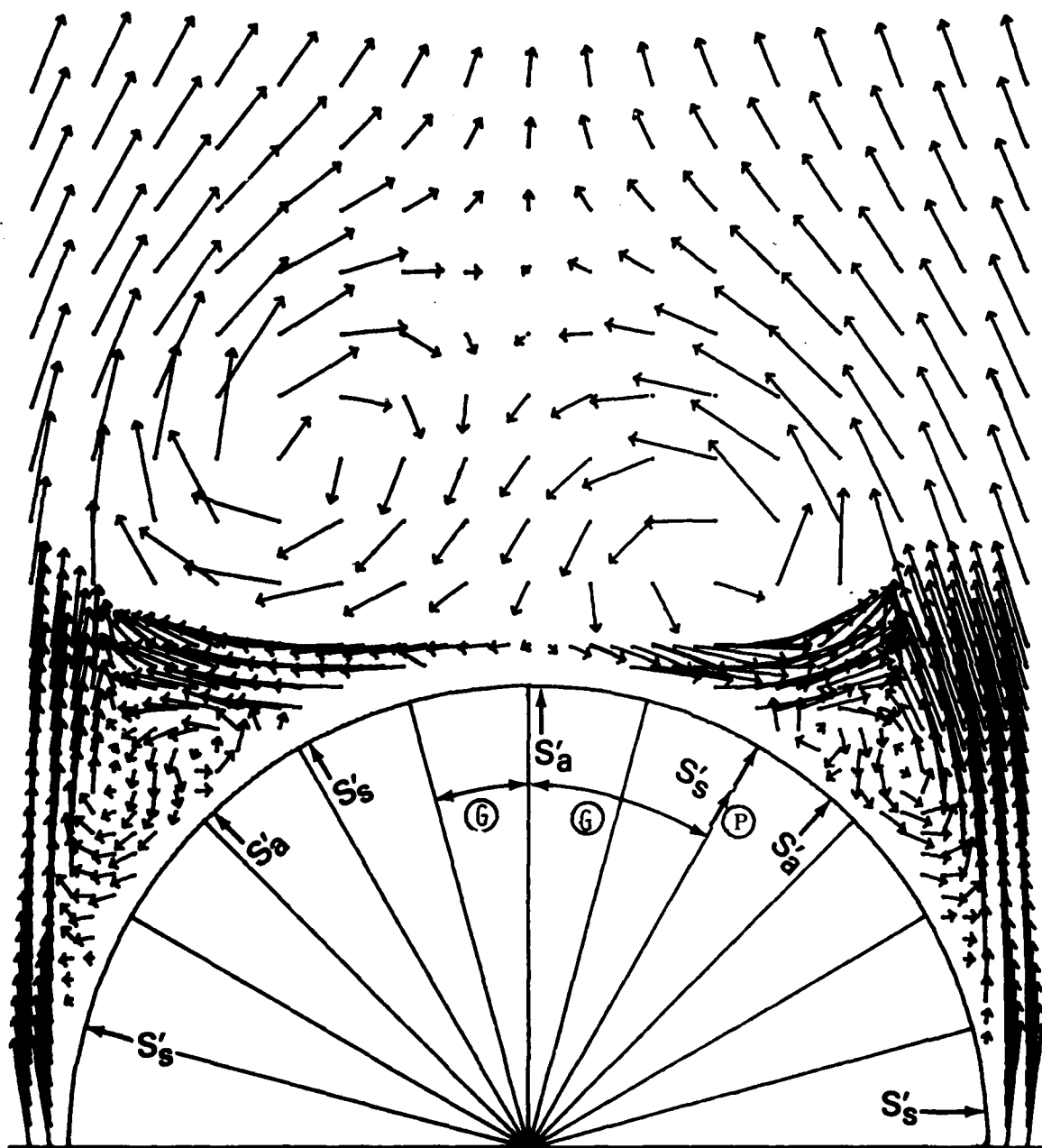


Figure 10. (Continued)

D)  $X/D = 3.6$

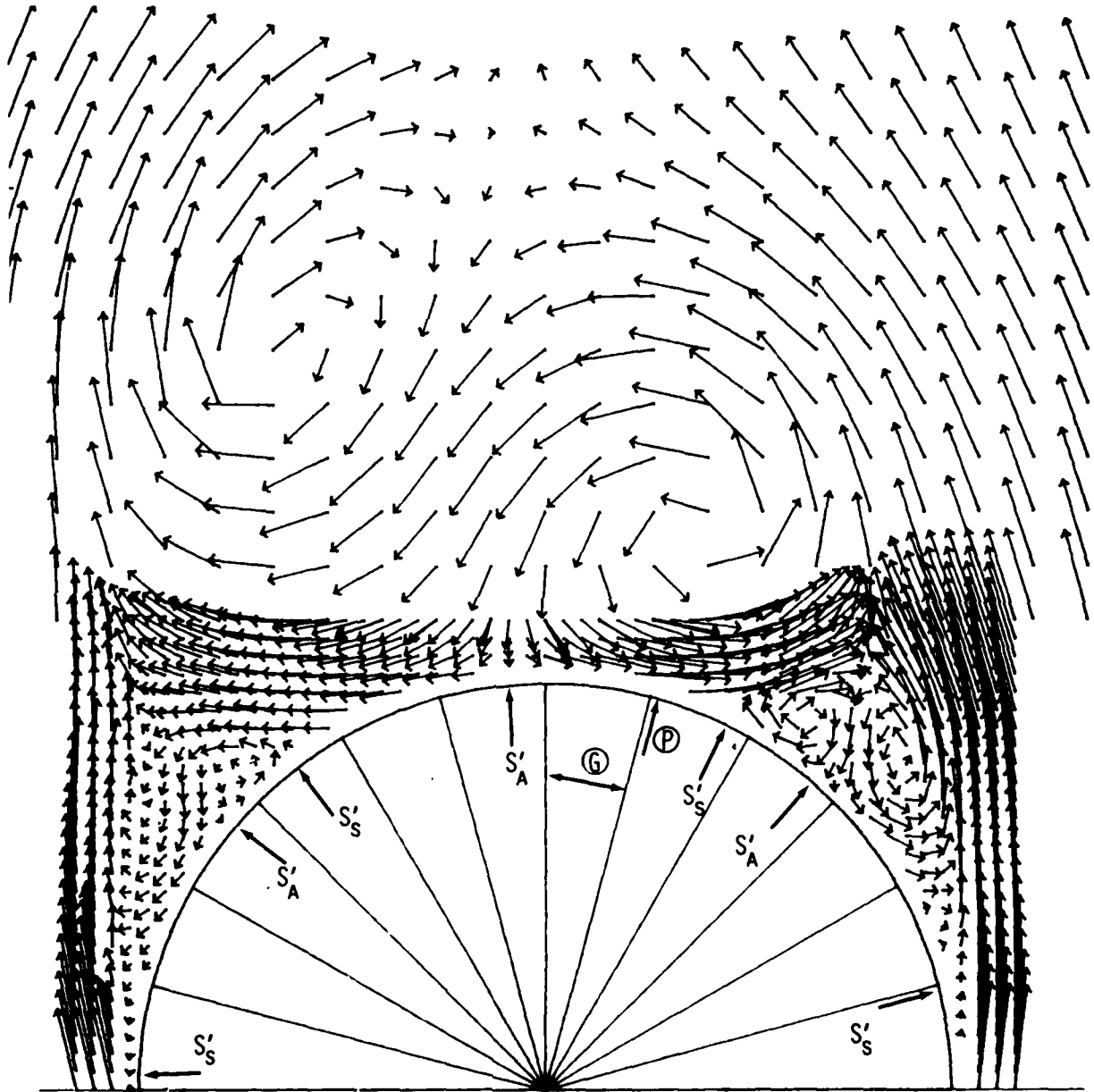


Figure 10. (Continued)

E)  $X/D = 4.7$

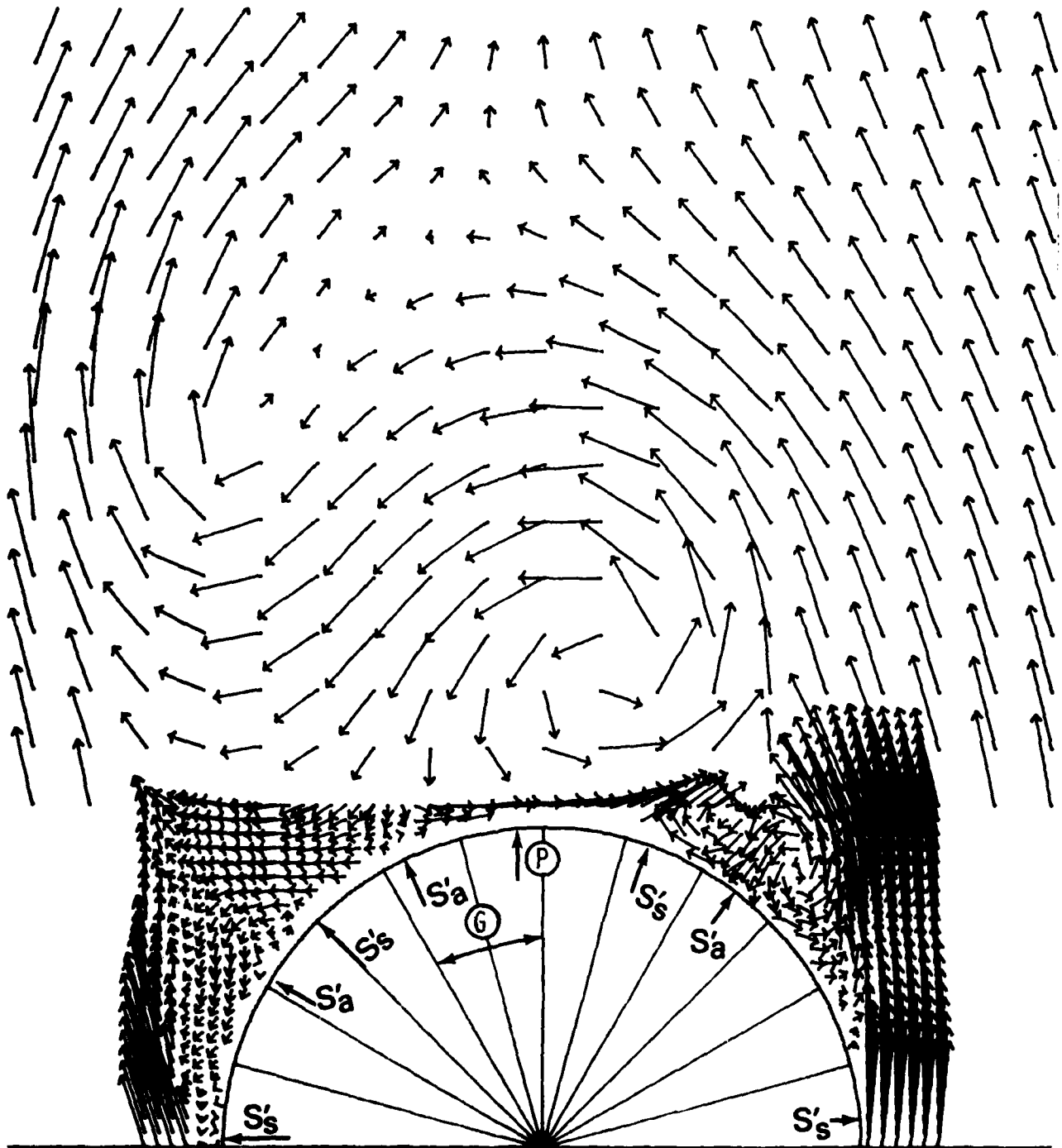


Figure 10. (Continued)



E) (Continued) Enlargement of left secondary region.

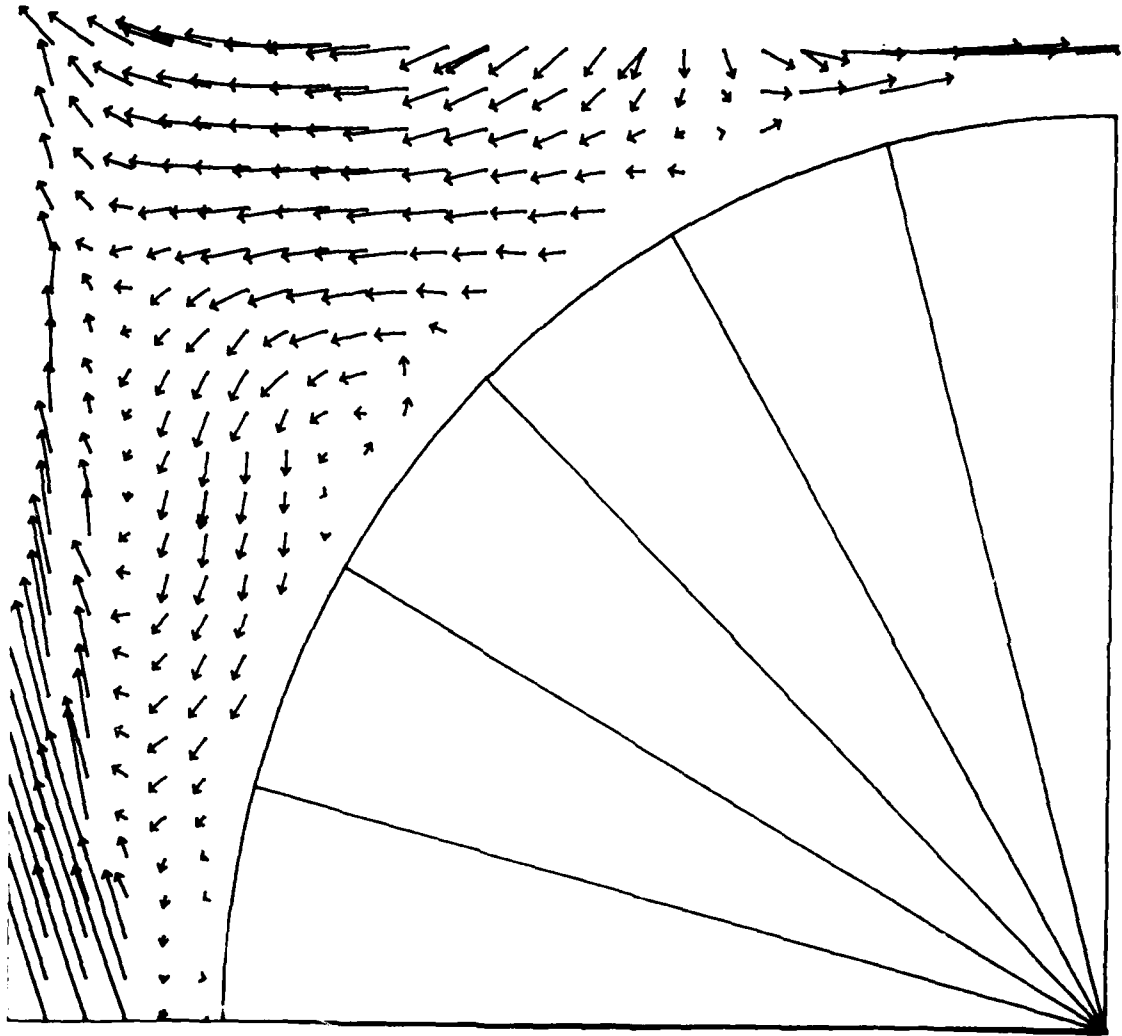


Figure 10. (Continued)

E) (Continued) Enlargement of right secondary region.

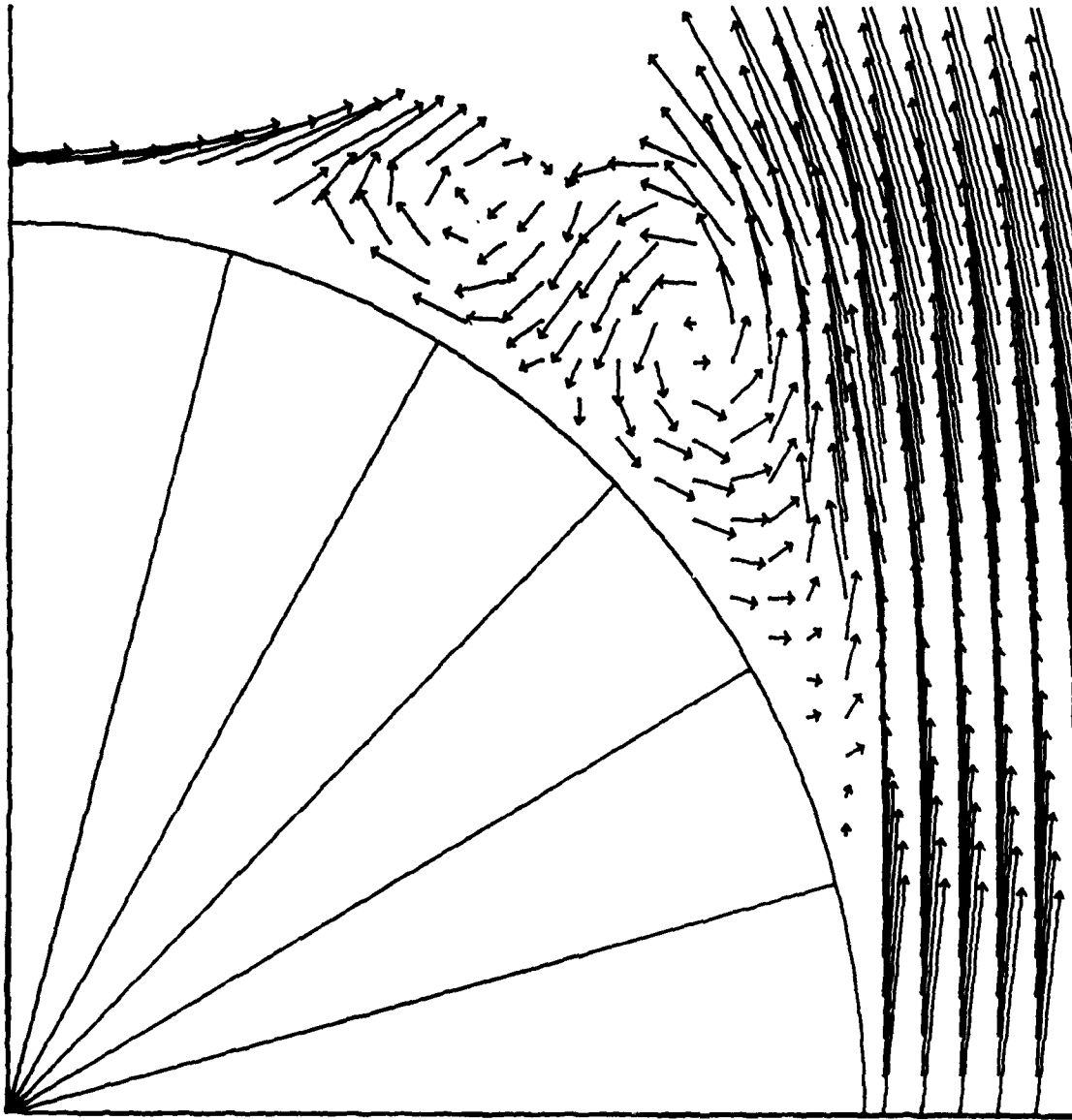


Figure 10. (Continued)

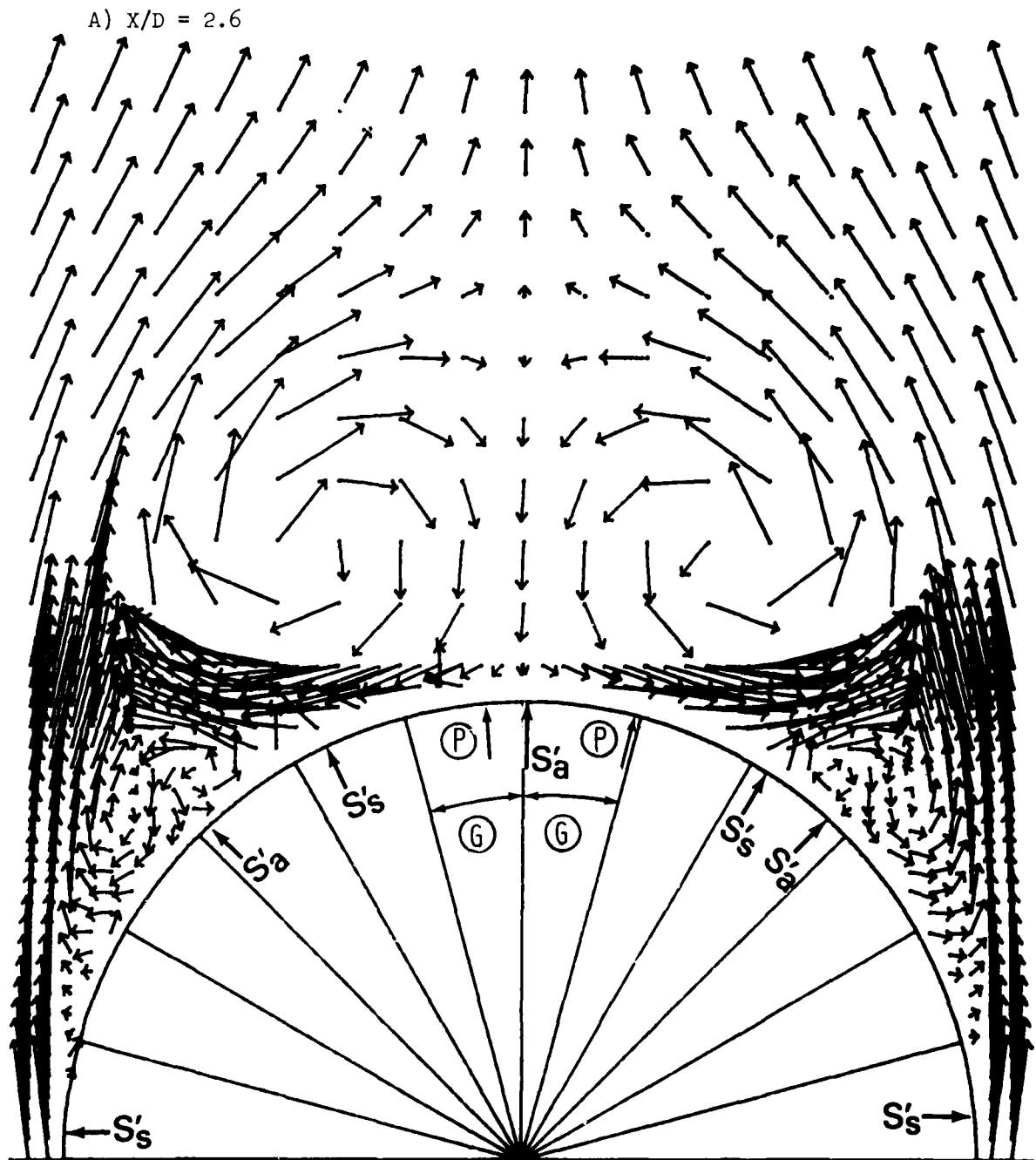


Figure 11. Measured crossflow plane velocity vectors on the sharp, untripped model.  $S'_a$  and  $S'_s$  are the attachment and separation points respectively. The P represents peak  $\sigma_{cp}$  locations while the G indicates regions of sharp pressure gradients.

B)  $X/D \approx 5.7$

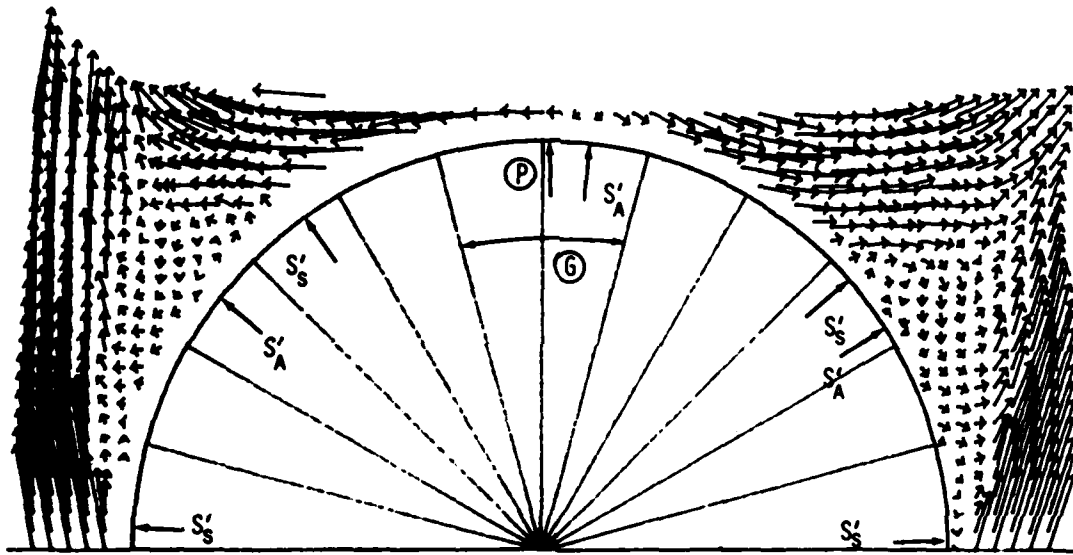


Figure 11. (Continued)

B) (Continued) Enlargement of left secondary region.

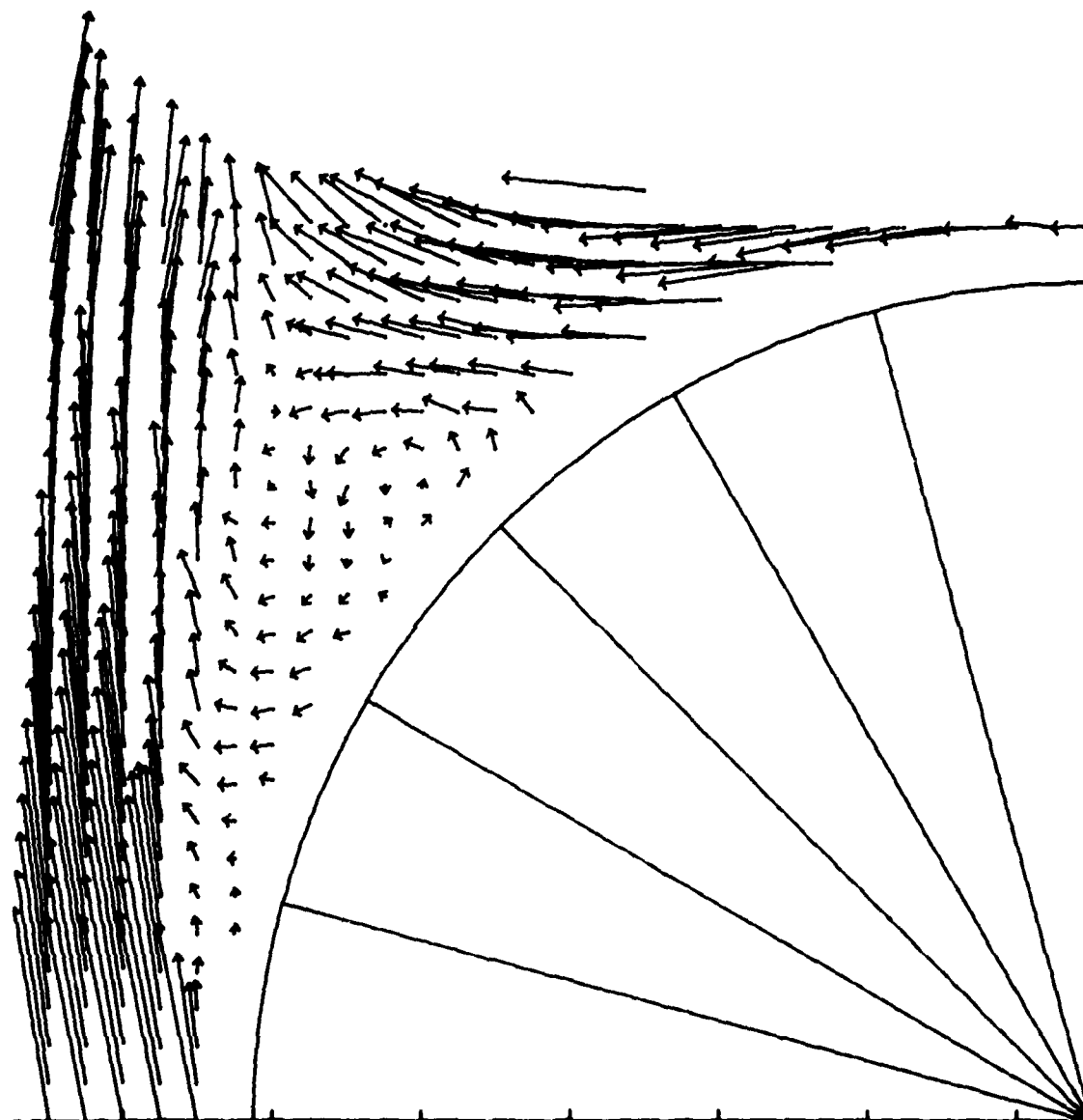


Figure 11. (Continued)

B) (Continued) Enlargement of right secondary region.

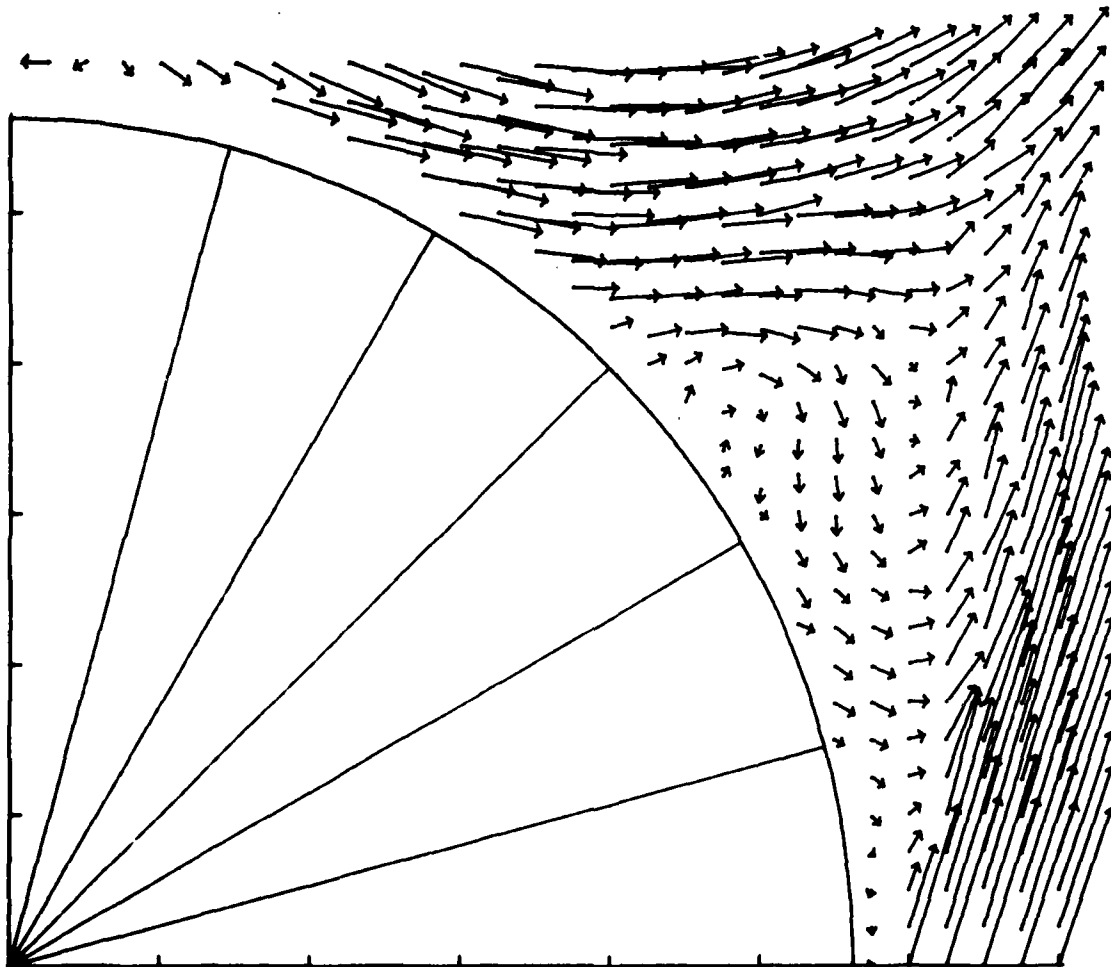


Figure 11. (Continued)

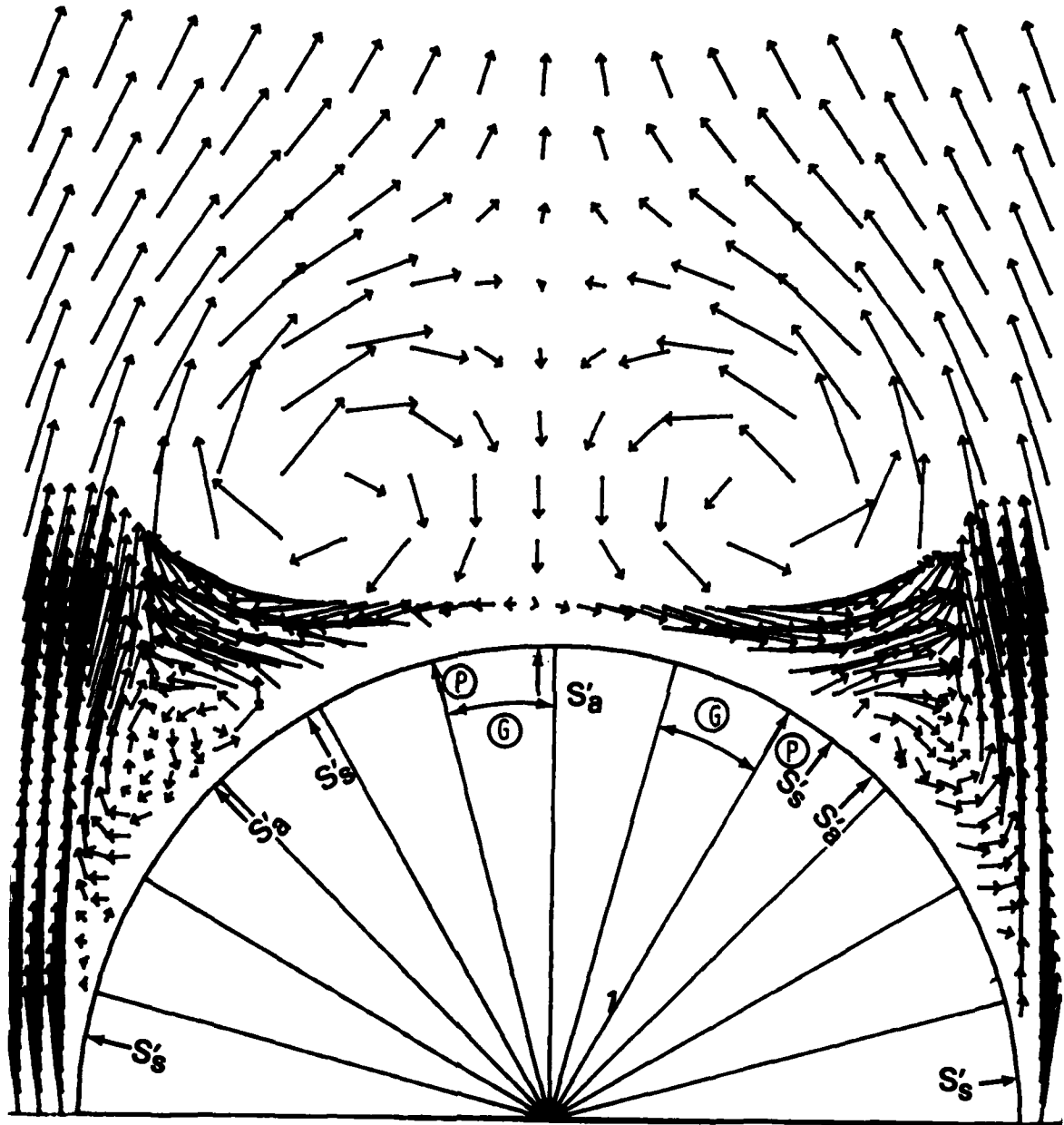
A)  $X/D = 2.6$ 

Figure 12. Measured Crossflow plane velocity vectors on the blunt model.  $S'_a$  and  $S'_s$  are attachment and separation points respectively. The P represents peak  $\sigma_c$  locations while the G indicates regions of sharp pressure gradients.

B)  $X/D = 5.7$

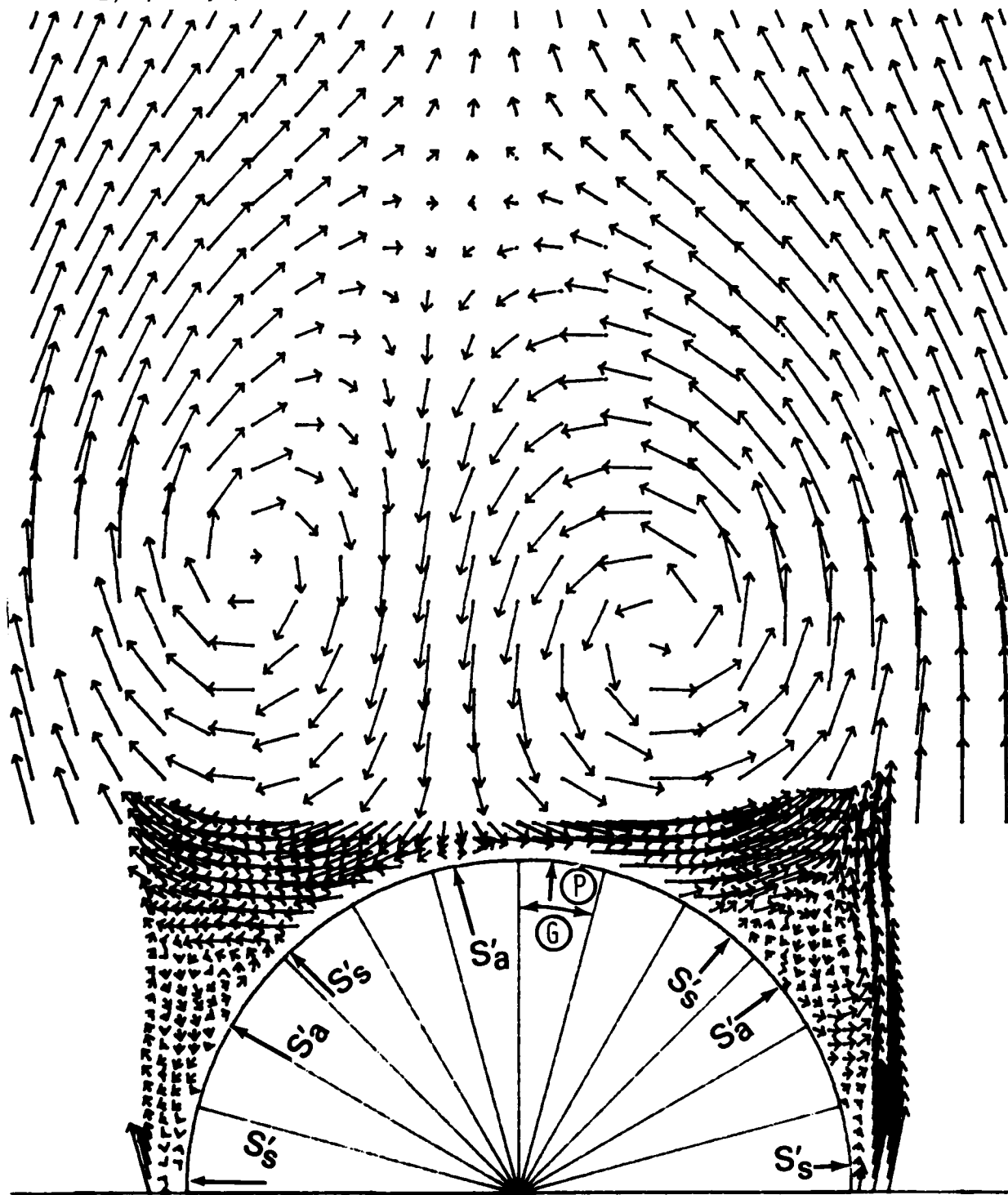


Figure 12.(Continued)



B) (Continued) Enlargement of the left secondary region.

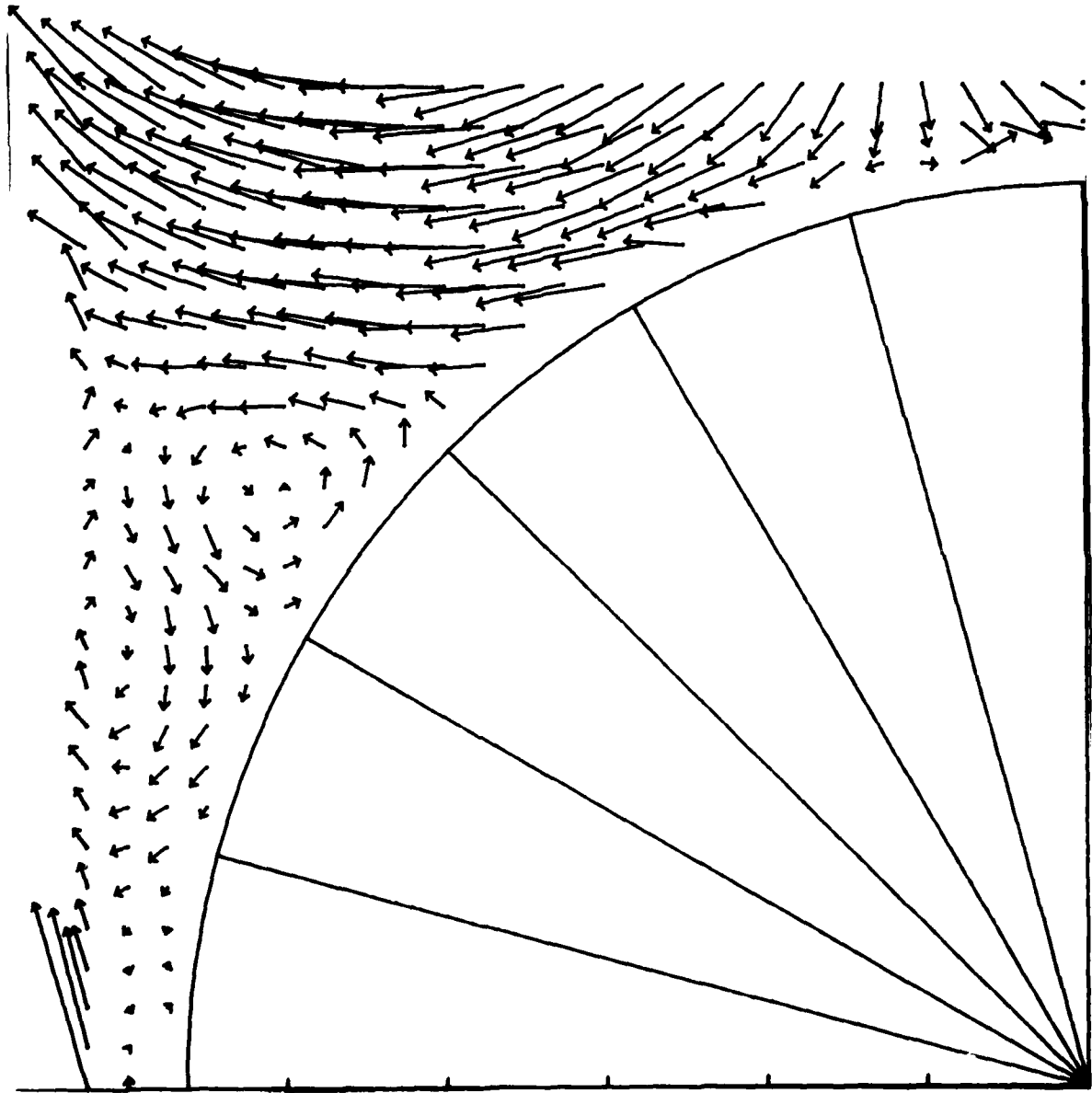


Figure 12. (Continued)

B)(Continued) Enlargement of right secondary region.

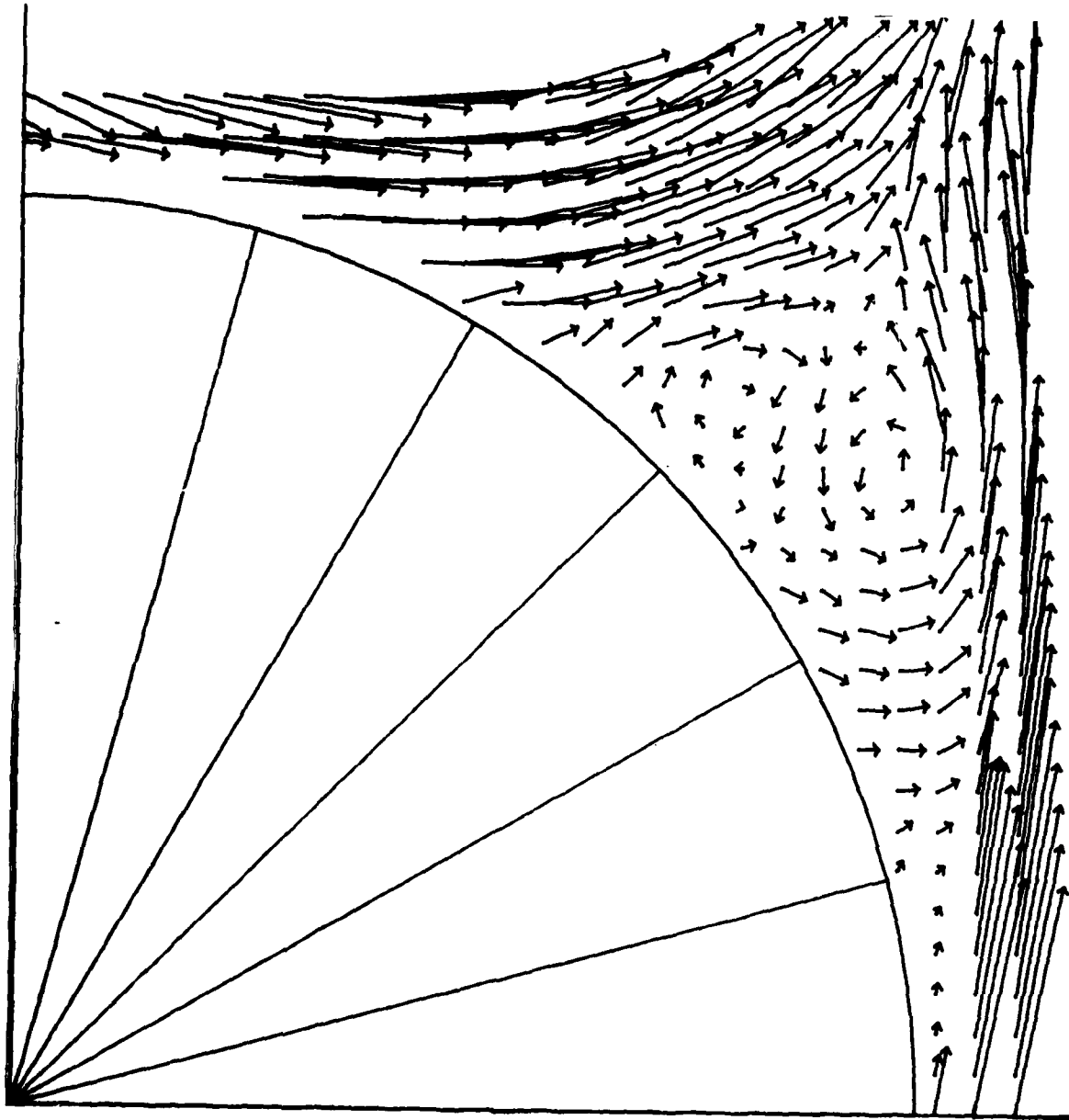


Figure 12. (Continued)

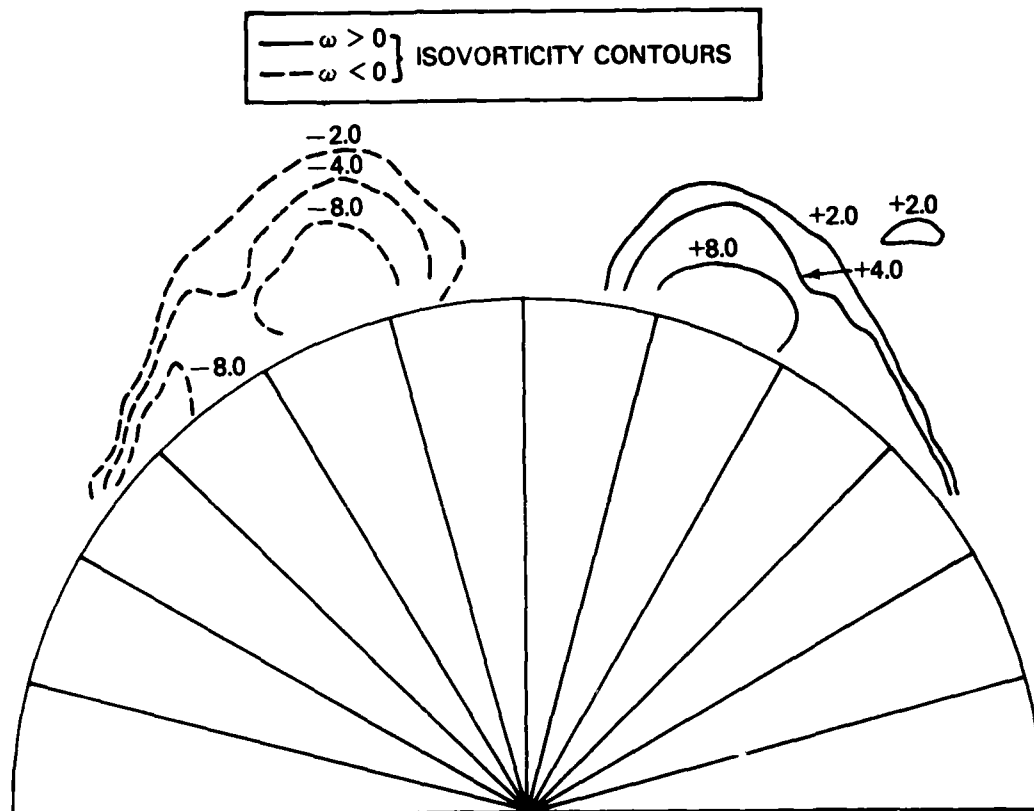
A)  $X/D = 1.3$ SHARP, TRIPPED MODEL  
 $X/D = 1.3$ 

Figure 13. Isovorticity contours and areas of high velocity fluctuations on the sharp tripped model. —  $\omega > 0$  ; ---  $\omega \leq 0$  ;  
 ###  $\sigma_{V_c} / U_\infty > .3$

B)  $X/D = 2.6$  ,  $C_y = .77$

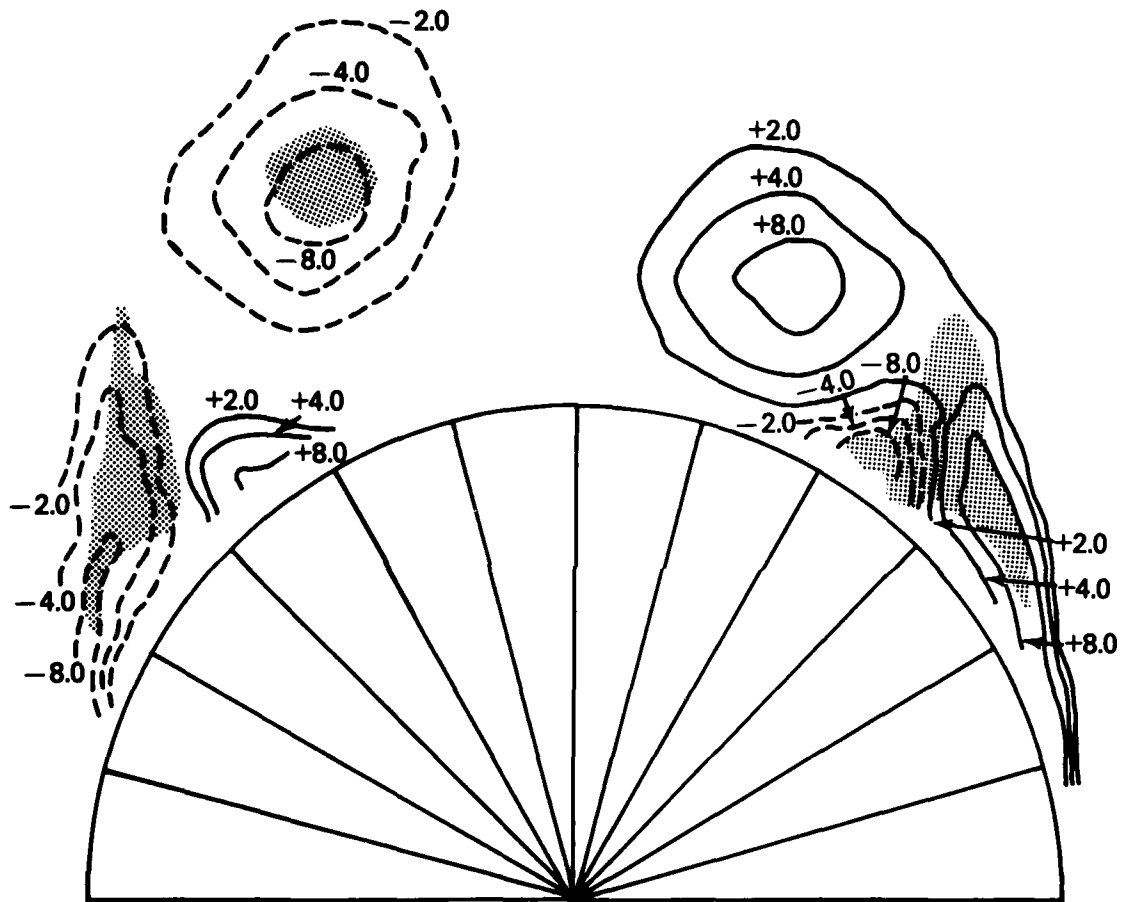


Figure 13. (Continued)

c)  $X/D = 3.6$ ,  $C_y = 1.52$

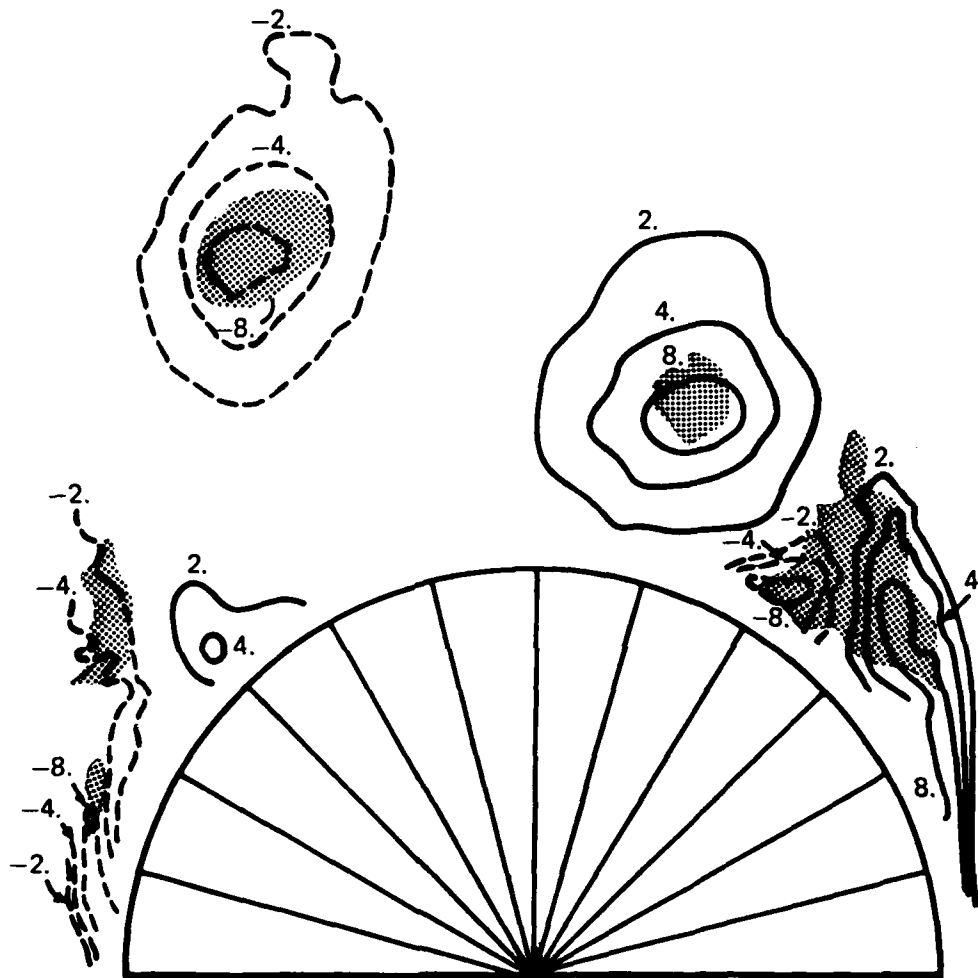


Figure 13. (Continued)

D)  $X/D = 4.7$  ,  $C_y = 2.11$

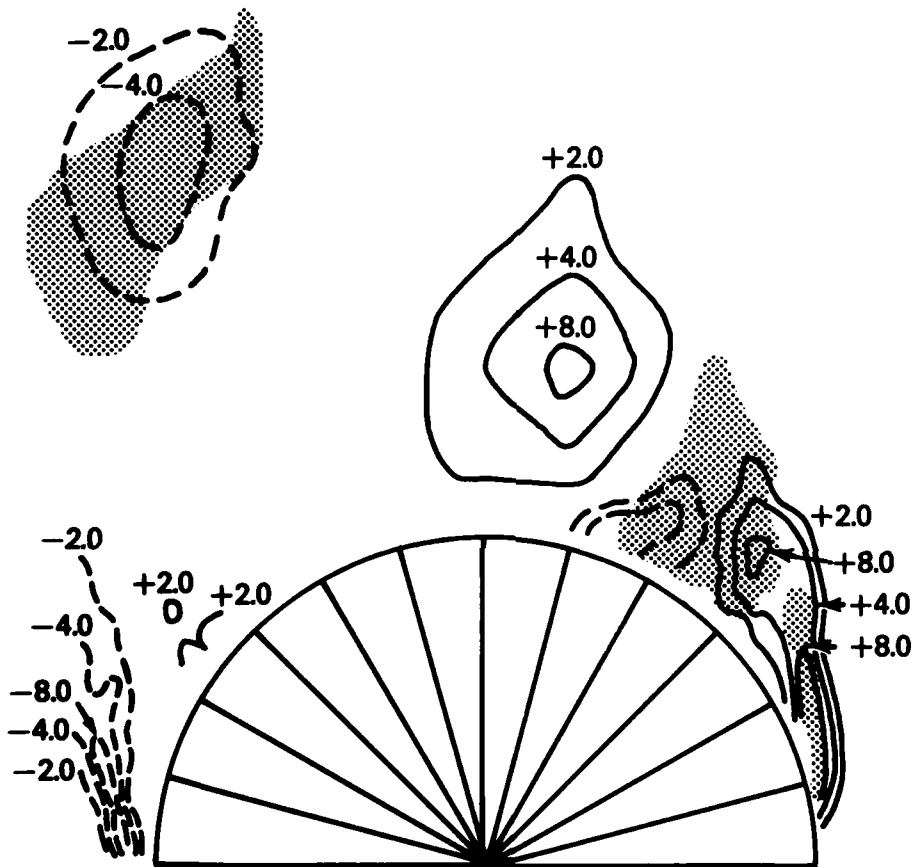


Figure 13. (Continued)

$$X/D = 2.6, C_y = .09$$

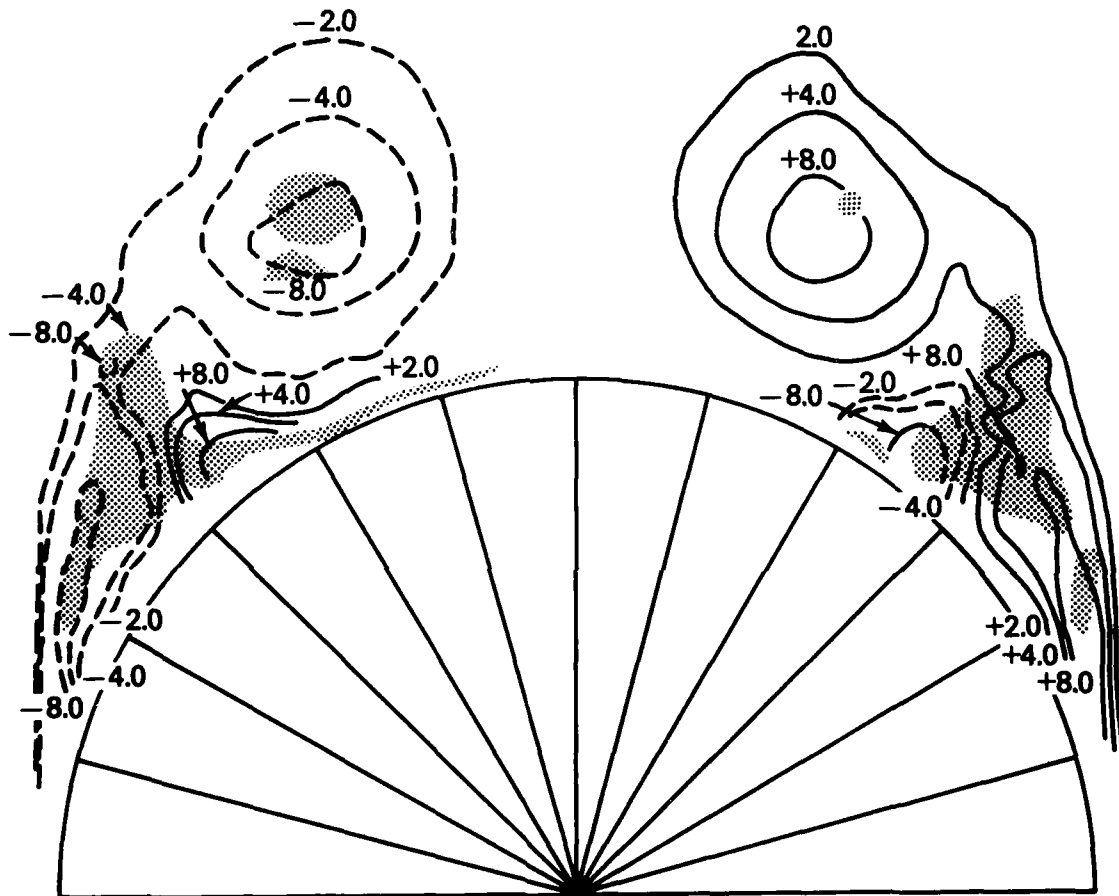


Figure 14. Isovorticity contours and areas of high velocity fluctuations on the sharp, untripped model. —  $\omega > 0$  ; ----  $\omega \leq 0$  ;  
 //  $\sigma_{v_c} / U_{\infty} \geq .3$

A)  $X/D = 2.6$  ;  $C_y = .33$

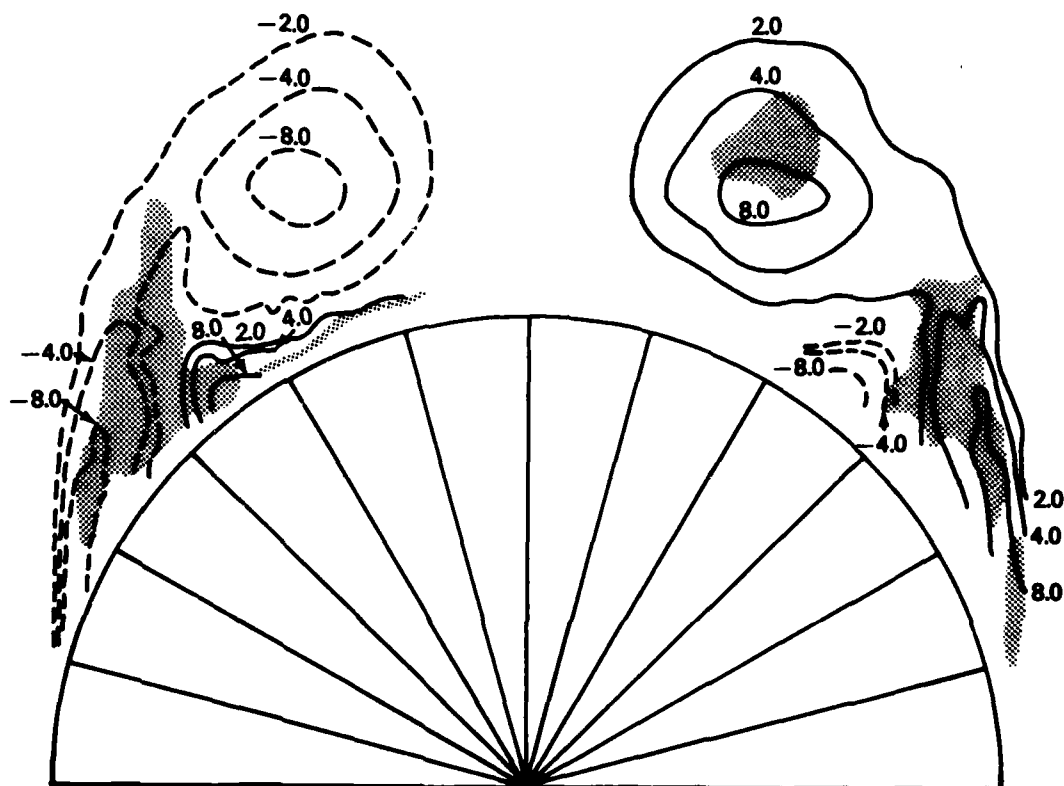


Figure 15. Isovorticity contours and areas of high velocity fluctuations on the sharp, untripped model. —  $\omega > 0$ ; ---  $\omega \leq 0$  ;  
 $\sigma_{v_c} / U_\infty > .3$



B)  $X/D = 5.7$ ,  $C_y = .93$

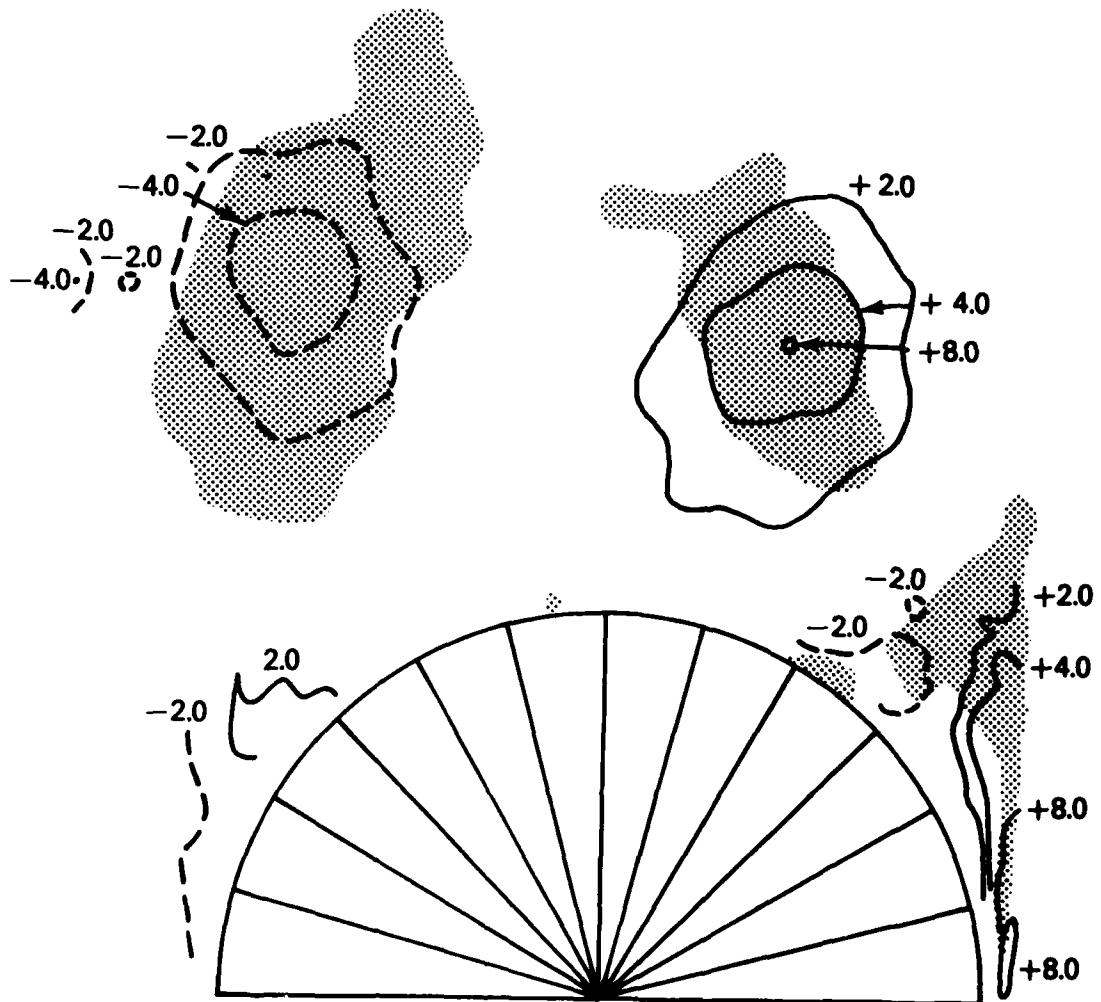


Figure 15.(Continued)

A)  $X/D = 1.3$

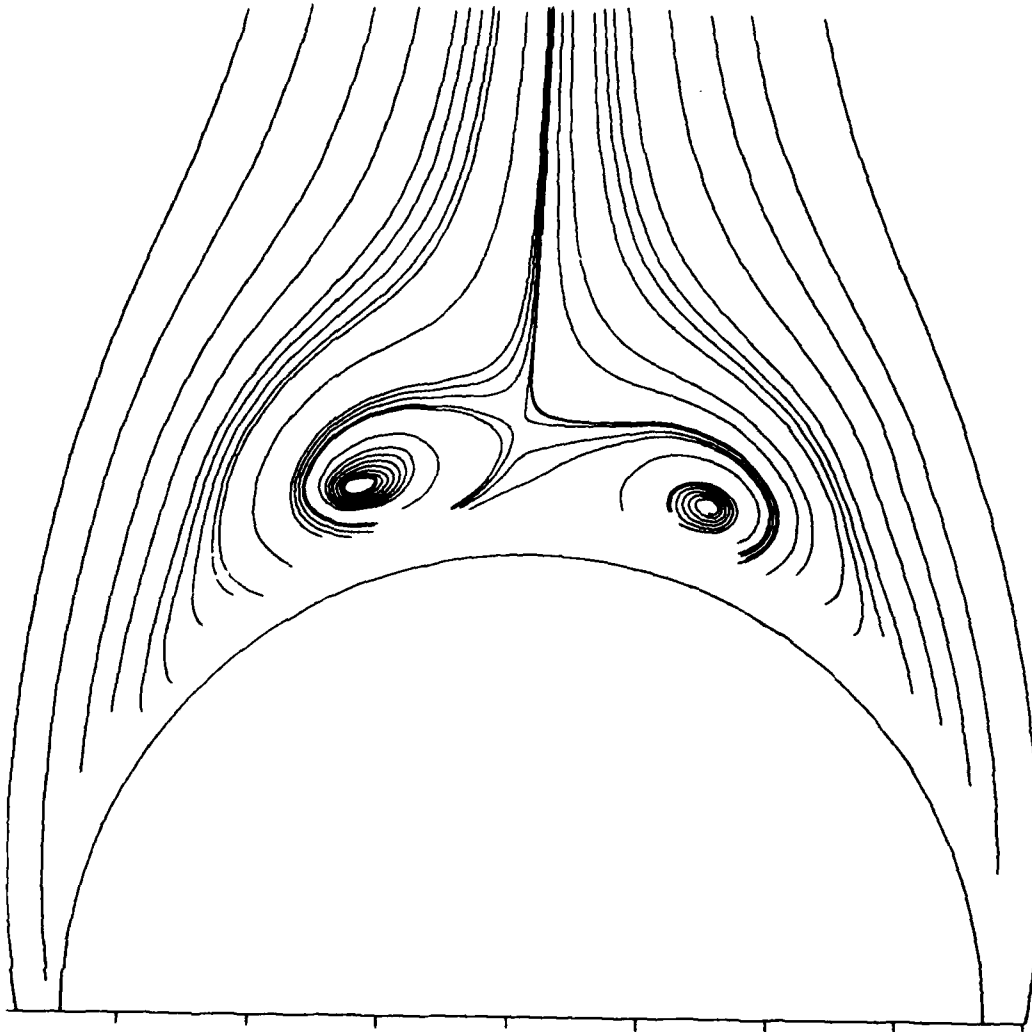


Figure 16. Streamlines on the tripped model.

B)  $X/D = 2.6$

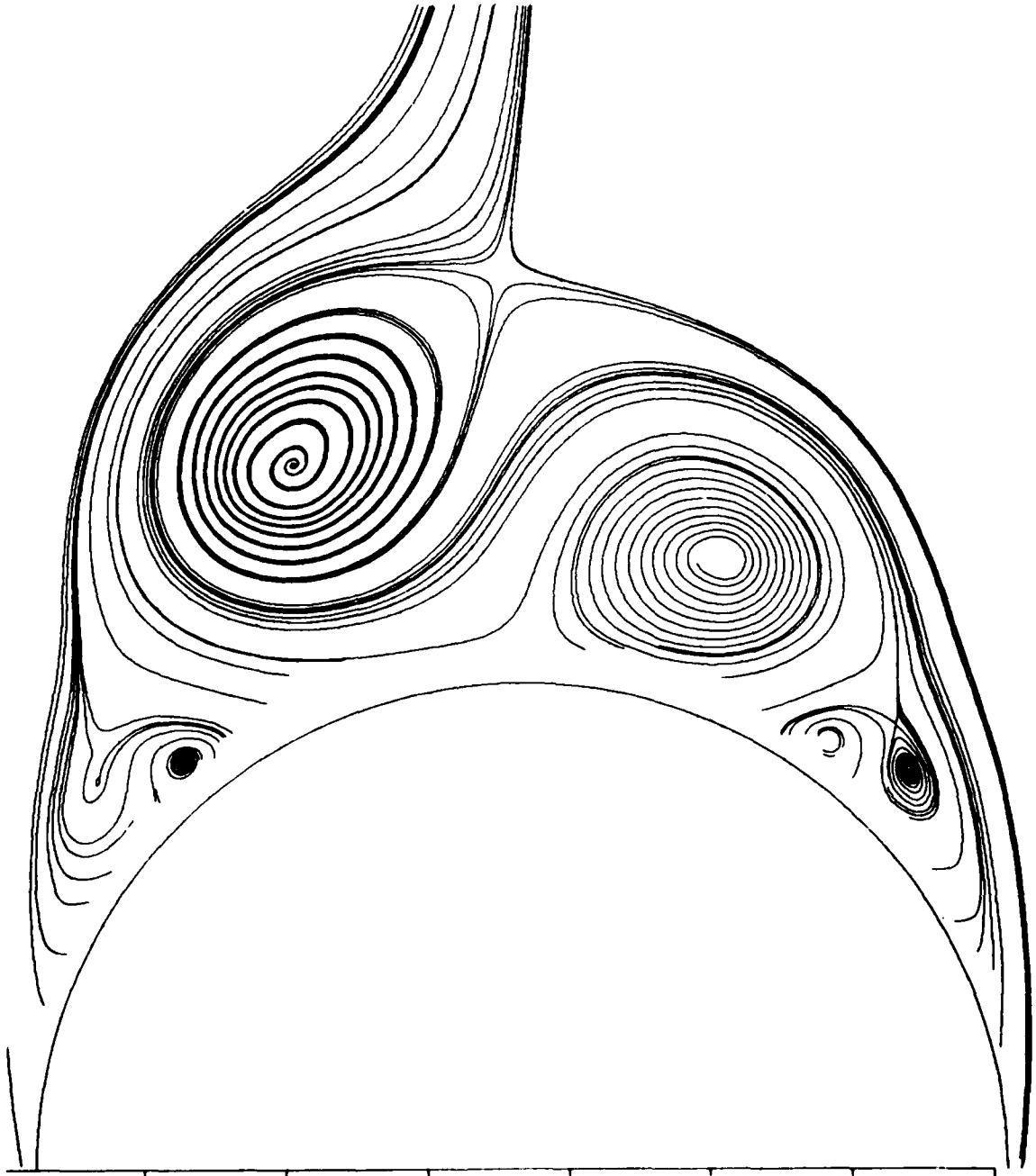


Figure 16. (Continued)

c)  $X/D = 3.6$

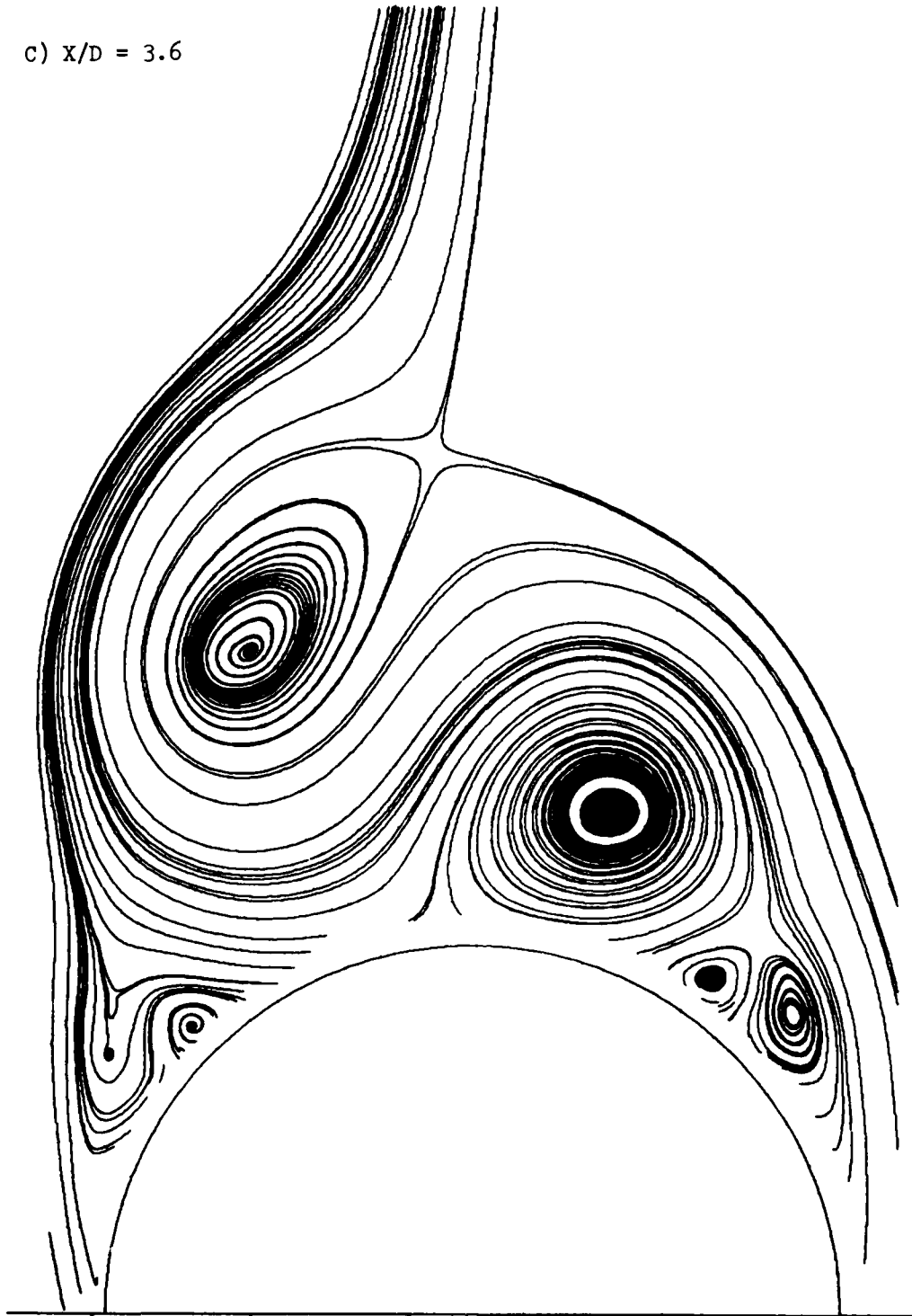


Figure 16. (Continued)

D)  $X/D = 4.7$



Figure 16.(Continued)

$X/D = 2.6$

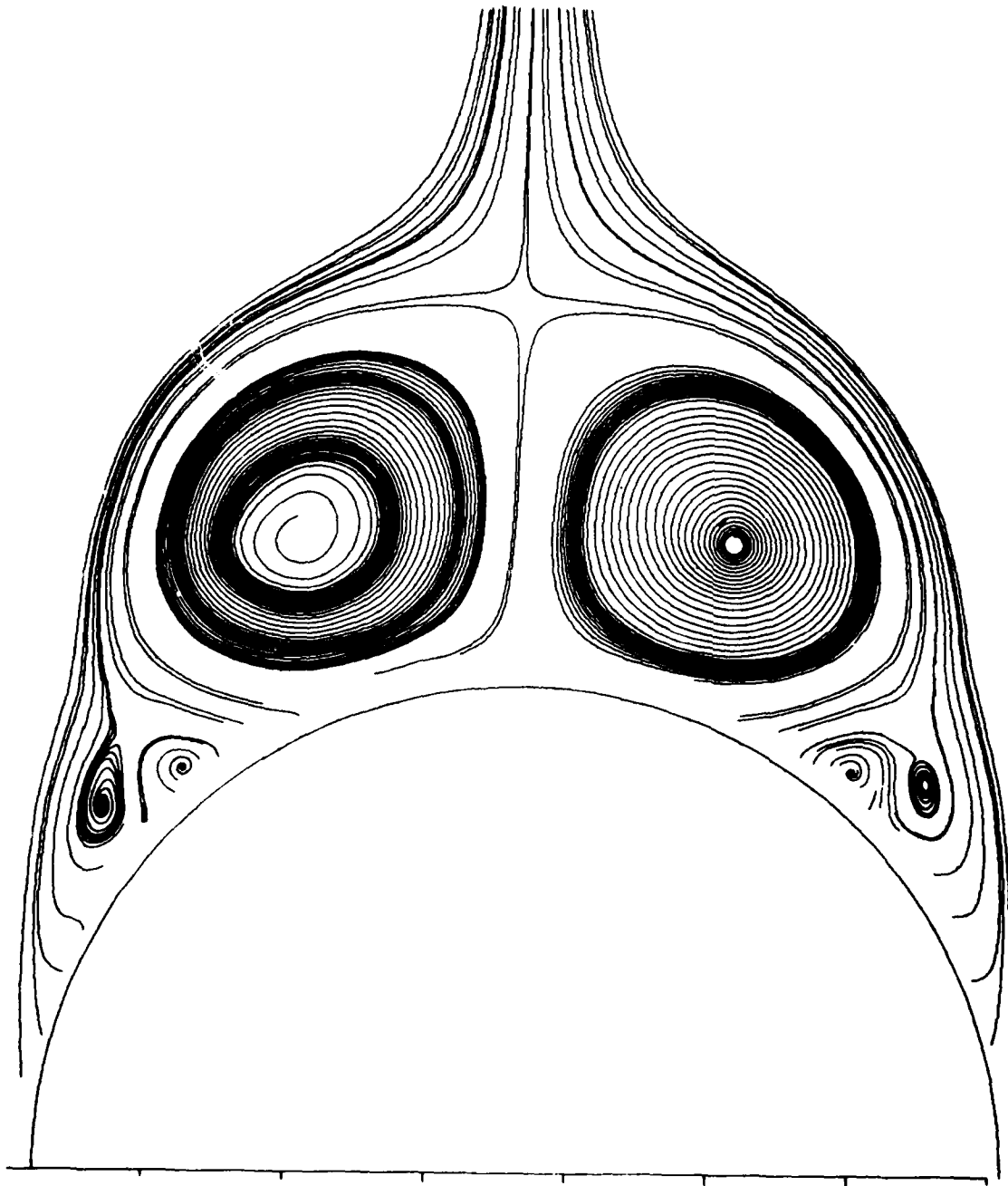


Figure 17. Streamlines on the sharp untripped model.

A)  $X/D = 2.6$

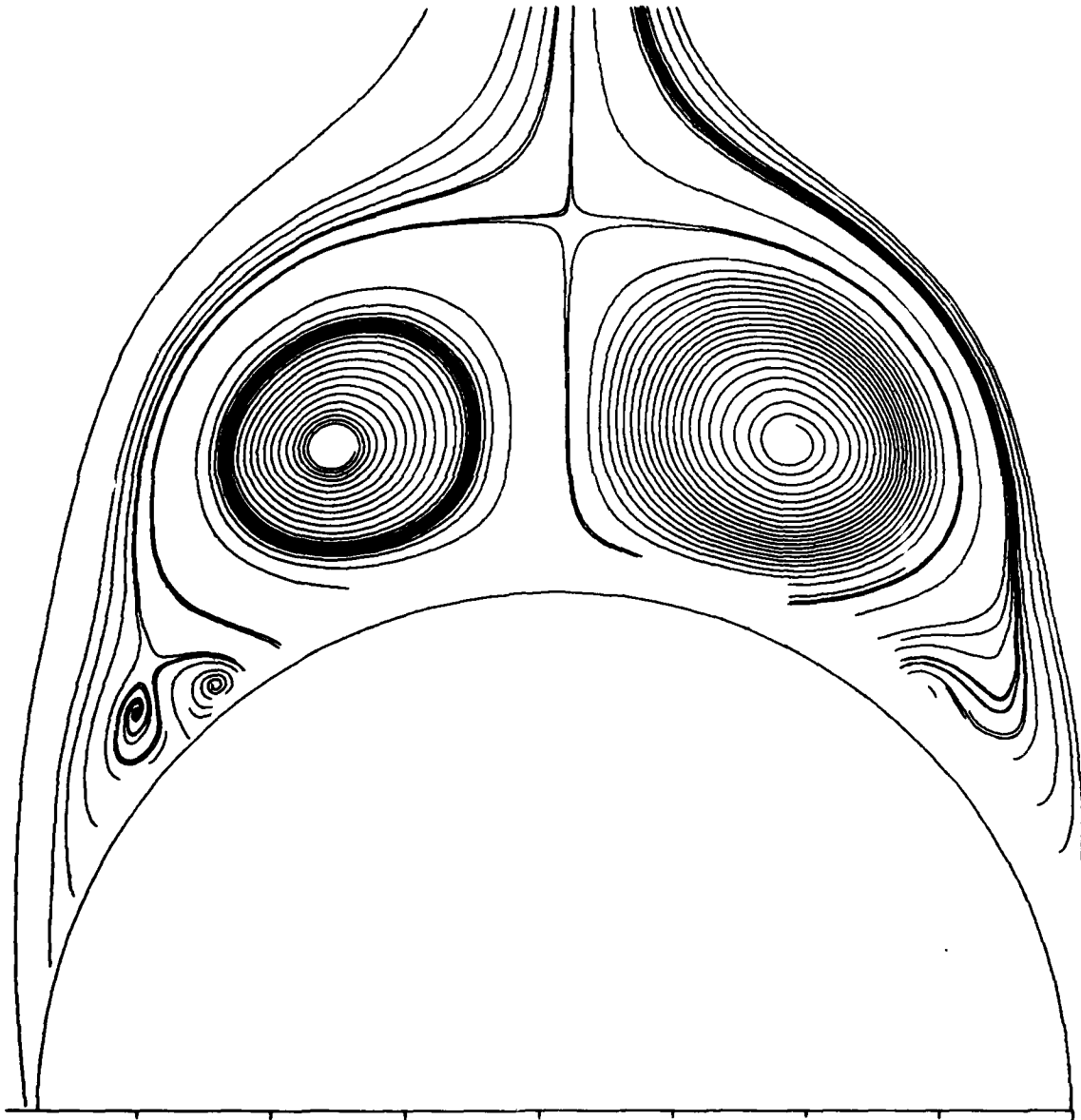


Figure 18. Streamlines on the blunt model.

B)  $X/D = 5.7$

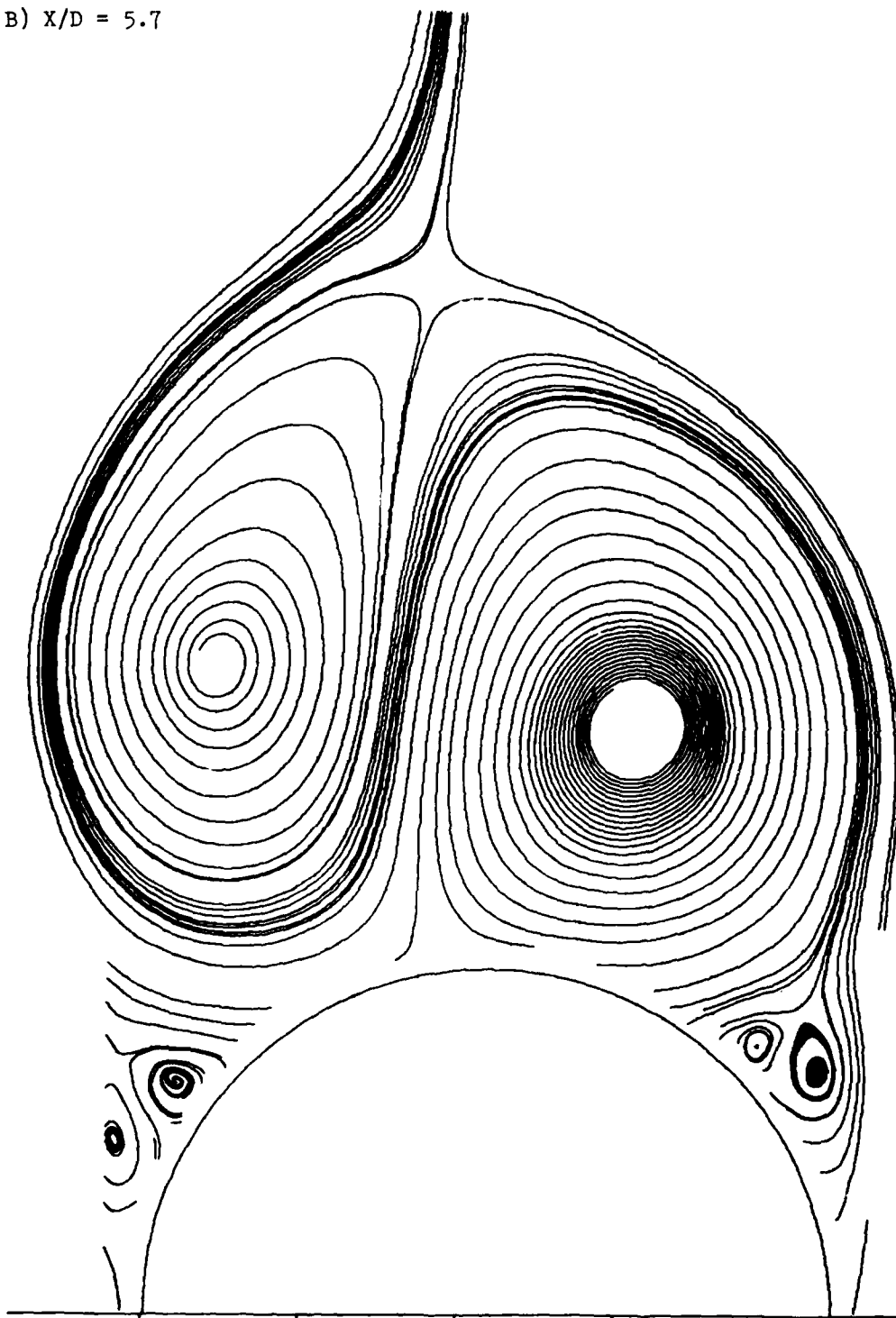


Figure 18. (Continued)



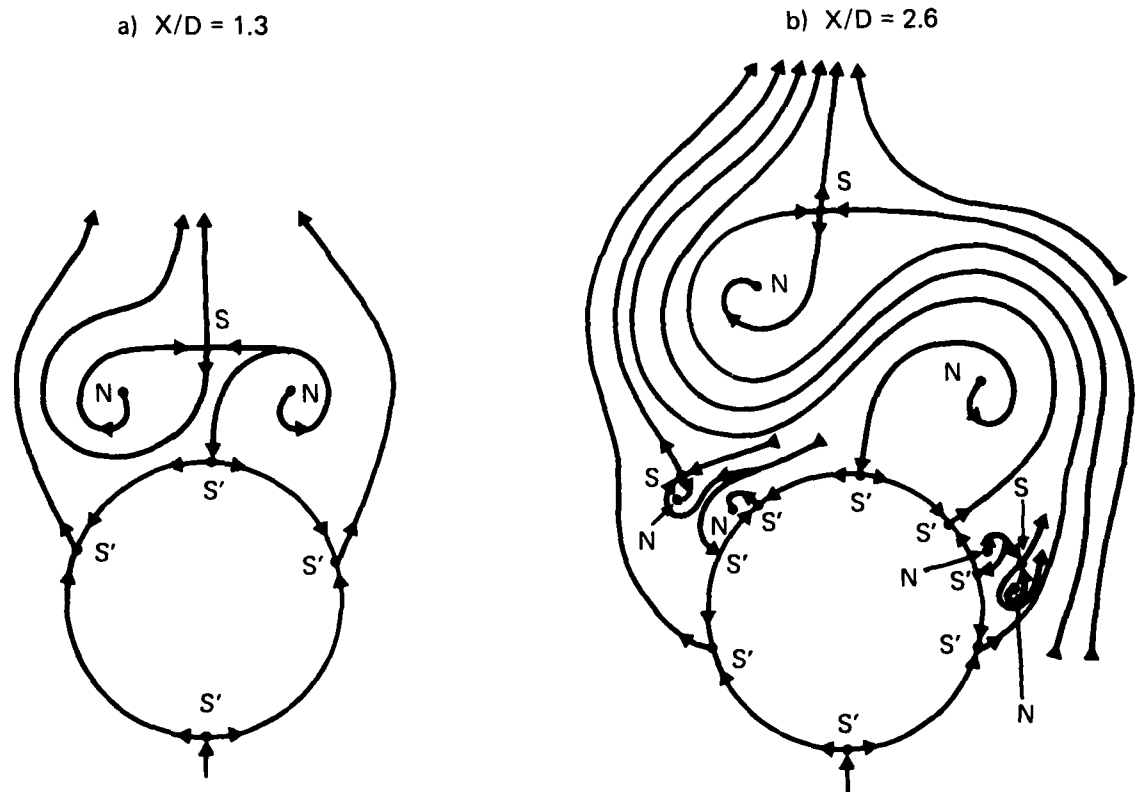


Figure 19. Topological sketch of asymmetric flow development.

c)  $X/D = 4.7$

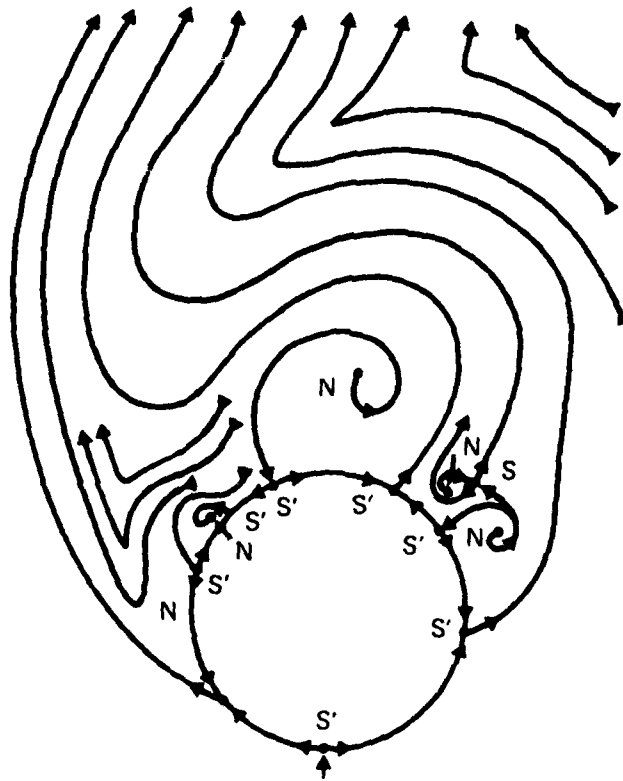


Figure 19. (Continued)

TABLE 1

WIND TUNNEL TESTS IN WHICH LDV DATA WAS TAKEN

Run No.	Model	Crossectional Plane Surveyed (X/D)	Comments	Test No.
1	Sharp, no trip	2.6	Flow field unsteadiness occured	81061602
2	Sharp, no trip	5.7	Only secondary region surveyed	81061701
3	Sharp, tripped	.75	Vortices not clearly resolved.	81070702
4	Sharp, tripped	1.3		81070701
5	Sharp, tripped	2.6		81070802
6	Sharp, tripped	3.6		81070803
7	Sharp, tripped	4.7		81062502
8	Blunt	2.6		81071515
9	Blunt	5.7		81071601

TABLE 2  
CIRCULATION CONTAINED IN REGIONS P, S1 and S2

X/D	Left Hand Side			Right Hand Side			$\sum \lambda$	$C_y$
	Secondary $\lambda_{s1}$	$\lambda_{s2}$	Primary $\lambda_p$	Secondary $\lambda_{s1}$	$\lambda_{s2}$	Primary $\lambda_p$		
	SHARP, TRIPPED MODEL							
.75			-.019			.010	-.009	
1.30			-.218			.198	-.020	
2.60	-.218	.053	-.403	.209	-.046	.360	-.044	.77
3.60	-.265	.048	-.581	.245	-.070	.578	-.095	1.475
4.70 <sup>+</sup>	-.332*	.031	-.755	.297	-.064	.665	-.158	2.1
	SHARP, UNTRIPPED MODEL							
2.60	-.203	.068	-.412	.204	-.047	.388	-.003	0 ~ .2
5.70		.037			-.039			-.6 ~ -8
	BLUNT, TRIPPED MODEL							
2.60	-.203	.048	-.346	.216	-.030	.340	.026	.33
5.70	-.188*	.046	-.837	.201	-.048	.869	.043	.93

\* Estimated

+ Second vortex with a  $\lambda = .0023$  starts to form on left hand side of model.

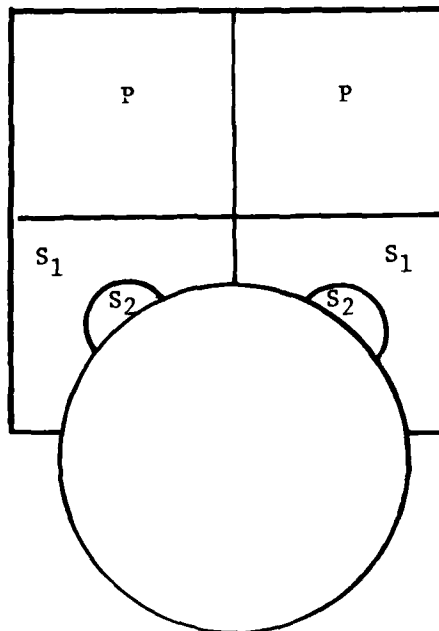


TABLE 3  
SIDE FORCE VARIATION

Run 1

X/D	Sample			
	1	2	3	4
2.6	.093	-.018	0.86	.270
3.6	.038	-.18	.059	.520
4.7	.013	-.47	.013	.909
5.7	-.075	-.723	-.022	1.205

Run 2

X/D	Sample			
	1	2	3	4
2.6	-.005	-.019	-.043	-.058
3.6	-.161	-.137	-.205	-.231
4.7	-.442	-.412	-.523	-.578
5.7	-.656	-.620	-.779	-.845

## CHAPTER 9

## REFERENCES

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APPENDIX A

This appendix provides a listing of the measured crossflow plane velocities and standard deviations. The symbols using in the listing are defined as follows:

X,Y,Z - x,y,z coordinate (see Figure 1)

V,W - v and w velocity components

VS,WS - standard deviation of the v and w velocity components.

In some cases the standard deviation values are not available. In these instances the listed value is 0.0000. A tape containing the information provided in this appendix is available on request.



TEST NUMBER 81061602 RUN NUMBER 1 K/D P 2.60

NO.	Y	Z	V	W	VS	MS	NO.	Y	Z	V	W	VS	MS
1	-1.200	0.000	-3.3391	25.7362	.6068	.6236	56	-1.100	.453	-1.5957	2.1334	4.9658	2.9901
2	-1.200	.052	-2.9042	25.7750	.7208	.6680	57	-1.100	.503	-2.1067	3.6047	5.4287	2.6716
3	-1.200	.100	-2.4698	25.7987	.7836	.6048	58	-1.100	.552	-1.9683	6.3212	7.0203	3.3310
4	-1.200	.150	-2.0290	25.7584	.6775	.6305	59	-1.100	.602	-.8415	18.3426	7.3041	3.0403
5	-1.200	.201	-1.6072	25.8397	.7088	.6614	60	-1.100	.653	.6137	14.9061	8.2216	3.4046
6	-1.200	.252	-1.3321	25.9074	.6074	.6463	61	-1.100	.703	1.7242	17.0479	7.6393	3.1428
7	-1.200	.301	-1.0029	25.8454	.8105	.5584	62	-1.100	.752	1.7259	17.0645	7.3802	3.2950
8	-1.200	.350	-.7312	25.6424	.7280	.6921	63	-1.100	.802	2.5075	18.9479	6.5520	3.4744
9	-1.200	.402	-.1355	25.6971	.7990	.6242	64	-1.100	.853	4.3120	20.9919	5.0050	3.3031
10	-1.200	.452	.2665	25.7706	.8733	.6596	65	-1.100	.903	6.0182	22.2717	4.8290	3.0069
11	-1.200	.501	.4414	25.5620	.9252	.6671	66	-1.100	.952	6.1804	22.2717	3.5677	2.4939
12	-1.200	.550	.6012	25.7645	1.0089	.7889	67	-1.100	1.002	5.6222	21.4345	4.1305	2.6117
13	-1.200	.602	1.1160	25.5780	1.0065	.8393	68	-1.100	1.053	5.7290	22.5129	2.4983	1.7796
14	-1.200	.652	1.7055	25.6558	1.1982	.8847	69	-1.100	1.103	5.3506	22.5575	2.9534	1.7632
15	-1.200	.701	1.8023	25.8493	1.0137	1.0967	70	-1.100	1.152	4.6309	22.6930	2.2457	1.7124
16	-1.200	.750	2.5103	25.5992	1.2640	.9404	71	-1.100	1.202	4.2514	22.9931	2.9690	1.8417
17	-1.200	.802	2.8699	25.4450	1.4628	1.0765	72	-1.050	.453	-1.8890	-.1250	3.4541	1.7095
18	-1.200	.852	3.8471	25.3114	.9923	.9445	73	-1.050	.501	-3.4928	-1.1250	3.1315	2.0471
19	-1.200	.901	3.9492	25.0152	1.0337	1.0770	74	-1.050	.552	-4.2095	-.2629	3.3982	2.2071
20	-1.200	.950	4.3061	24.3566	1.1741	.9922	75	-1.050	.604	-4.1240	1.7287	3.5677	2.5296
21	-1.200	1.002	4.7079	24.1706	.9209	.8617	76	-1.050	.653	-3.0123	4.4257	4.9312	2.9403
22	-1.200	1.052	4.4505	23.8470	1.0884	.9689	77	-1.050	.701	-2.6676	5.8542	5.6652	3.2310
23	-1.200	1.101	4.6011	23.7165	1.0424	.9209	78	-1.050	.752	-1.1977	9.1627	7.2189	3.8217
24	-1.200	1.150	4.5025	23.7060	1.1205	.8971	79	-1.050	.803	1.6977	11.2247	7.3254	3.9450
25	-1.200	1.201	4.5235	23.4126	.9420	.9306	80	-1.050	.853	2.3265	11.6241	7.8226	4.2390
26	-1.151	.002	-3.3920	26.3195	.7505	.6855	81	-1.050	.902	4.2637	13.4890	6.8272	4.3331
27	-1.151	.052	-2.9089	26.0763	.6383	.6391	82	-1.050	.952	5.1066	14.2067	8.2502	3.5223
28	-1.151	.101	-2.6293	26.1788	.7451	.5930	83	-1.050	1.003	5.4774	17.4093	5.2924	3.3628
29	-1.151	.150	-2.1353	26.1399	.6830	.6956	84	-1.050	1.053	4.8357	17.0451	6.6265	3.0700
30	-1.151	.201	-1.6949	26.1257	.7213	.6124	85	-1.050	1.102	4.9824	18.7279	5.5351	2.6368
31	-1.151	.252	-1.1883	26.0866	.8732	.7221	86	-1.050	1.152	3.4840	18.6431	8.7780	2.9070
32	-1.151	.301	-.6694	25.9580	.8782	.7979	87	-1.001	.550	1.4238	19.6326	5.2715	2.4622
33	-1.151	.350	-.3075	25.7782	.9525	.6568	88	-1.001	.600	-5.2040	4.6358	9.7687	1.8205
34	-1.151	.402	.2376	25.7782	1.0482	1.0203	89	-1.001	.649	-4.4943	-.9076	3.0419	2.3379
35	-1.151	.452	.5264	25.5015	1.9921	1.1377	90	-1.001	.699	-4.7058	-.5407	3.3311	3.0635
36	-1.151	.501	1.0819	25.1154	2.0403	1.7788	91	-1.001	.700	-4.7058	-.3616	4.5637	3.5605
37	-1.151	.550	1.4241	25.0457	2.1938	1.9045	92	-1.001	.750	-3.9371	3.6597	5.6729	3.3214
38	-1.151	.602	1.7959	25.9427	2.1840	1.9888	93	-1.001	.800	-1.7327	3.6597	7.1544	4.3548
39	-1.151	.652	1.8922	24.8362	3.3279	2.0382	94	-1.001	.849	.2949	3.2266	7.7810	4.8664
40	-1.151	.701	2.5195	25.4368	3.0048	1.7239	95	-1.001	.900	1.8988	5.0669	9.1918	4.4741
41	-1.151	.750	2.9125	26.0129	2.5707	2.1014	96	-1.001	.950	3.0439	5.9823	8.7880	3.9436
42	-1.151	.802	3.3238	25.2983	2.8680	1.6436	97	-1.001	.999	4.1068	9.4229	8.7242	3.7340
43	-1.151	.852	4.1417	25.2398	2.4078	1.6326	98	-1.001	1.048	1.9223	9.1208	9.2031	4.2072
44	-1.151	.901	4.8599	25.0374	1.9202	1.7168	99	-1.001	1.100	2.1052	11.4218	7.6608	3.6440
45	-1.151	.950	5.4515	24.5295	1.5261	1.5425	100	-1.001	1.150	-.0657	13.0411	8.3226	4.8897
46	-1.151	1.002	5.4106	23.6208	1.7776	1.2406	101	-1.001	1.199	1.2417	16.0417	7.7994	4.8007
47	-1.151	1.052	5.4683	23.7549	1.4420	1.0649	102	-.951	.650	-4.1199	-.9848	6.7063	2.8809
48	-1.151	1.102	5.1130	23.5334	1.3922	1.0439	103	-.950	.698	-4.6930	-2.7489	3.4777	3.6825
49	-1.151	1.150	4.6481	23.2001	1.4493	1.2848	104	-.950	.749	-4.3435	-3.1834	5.4528	4.4000
50	-1.151	1.201	4.6097	23.5839	1.5481	1.2339	105	-.950	.800	-2.2044	-3.0367	5.5206	5.1720
51	-1.103	.002	1.0768	1.4598	4.4629	1.6274	106	-.950	.850	-.5618	-2.4783	6.8203	4.5473
52	-1.102	.053	2.3550	3.5947	9.0668	1.4702	107	-.950	.898	.7453	-.8048	7.6113	5.1066
53	-1.100	.303	-.7929	.3748	1.8602	1.3643	108	-.950	.949	.8255	-1.1122	8.0633	4.8108
54	-1.100	.352	-1.3378	.3831	2.5119	1.4675	109	-.950	1.000	1.4267	2.4654	9.1939	5.0720
55	-1.100	.402	-1.4131	1.2042	3.4012	2.3225	110	-.950	1.050	-1.3174	4.1481	9.2687	4.9704

TEST NUMBER	81061602	RUN NUMBER	1	X/D #	2.60
NO.	Y	Z	V	W	VS
111	-950	1.058	-1.5007	7.2022	0.0589
112	-950	1.150	-3.9326	9.5039	3.9909
113	-950	1.200	-3.6310	13.2476	7.9426
114	-901	7.99	-3.6310	3.1710	4.9550
115	-901	8.00	-4.6145	4.8984	4.5205
116	-901	8.50	-5.2444	5.7566	4.5205
117	-901	8.98	-6.6528	6.2788	4.5205
118	-901	9.01	-6.6528	6.2788	4.5205
119	-901	9.01	-6.6528	6.2788	4.5205
120	-901	9.01	-6.6528	6.2788	4.5205
121	-901	9.01	-6.6528	6.2788	4.5205
122	-901	9.01	-6.6528	6.2788	4.5205
123	-901	9.01	-6.6528	6.2788	4.5205
124	-901	9.01	-6.6528	6.2788	4.5205
125	-901	9.01	-6.6528	6.2788	4.5205
126	-901	9.01	-6.6528	6.2788	4.5205
127	-901	9.01	-6.6528	6.2788	4.5205
128	-901	9.01	-6.6528	6.2788	4.5205
129	-901	9.01	-6.6528	6.2788	4.5205
130	-901	9.01	-6.6528	6.2788	4.5205
131	-901	9.01	-6.6528	6.2788	4.5205
132	-901	9.01	-6.6528	6.2788	4.5205
133	-901	9.01	-6.6528	6.2788	4.5205
134	-901	9.01	-6.6528	6.2788	4.5205
135	-901	9.01	-6.6528	6.2788	4.5205
136	-901	9.01	-6.6528	6.2788	4.5205
137	-901	9.01	-6.6528	6.2788	4.5205
138	-901	9.01	-6.6528	6.2788	4.5205
139	-901	9.01	-6.6528	6.2788	4.5205
140	-901	9.01	-6.6528	6.2788	4.5205
141	-901	9.01	-6.6528	6.2788	4.5205
142	-901	9.01	-6.6528	6.2788	4.5205
143	-901	9.01	-6.6528	6.2788	4.5205
144	-901	9.01	-6.6528	6.2788	4.5205
145	-901	9.01	-6.6528	6.2788	4.5205
146	-901	9.01	-6.6528	6.2788	4.5205
147	-901	9.01	-6.6528	6.2788	4.5205
148	-901	9.01	-6.6528	6.2788	4.5205
149	-901	9.01	-6.6528	6.2788	4.5205
150	-901	9.01	-6.6528	6.2788	4.5205
151	-901	9.01	-6.6528	6.2788	4.5205
152	-901	9.01	-6.6528	6.2788	4.5205
153	-901	9.01	-6.6528	6.2788	4.5205
154	-901	9.01	-6.6528	6.2788	4.5205
155	-901	9.01	-6.6528	6.2788	4.5205
156	-901	9.01	-6.6528	6.2788	4.5205
157	-901	9.01	-6.6528	6.2788	4.5205
158	-901	9.01	-6.6528	6.2788	4.5205
159	-901	9.01	-6.6528	6.2788	4.5205
160	-901	9.01	-6.6528	6.2788	4.5205
161	-901	9.01	-6.6528	6.2788	4.5205
162	-901	9.01	-6.6528	6.2788	4.5205
163	-901	9.01	-6.6528	6.2788	4.5205
164	-901	9.01	-6.6528	6.2788	4.5205
165	-901	9.01	-6.6528	6.2788	4.5205

TEST NUMBER 81061602 RUN NUMBER 1 X/P P 2.60

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
221	.549	1.151	22.9214	2.3272	1.0151	1.6669	276	.900	1.103	6.0414	4.1203	4.0976	6.6246
222	.549	1.202	22.0819	2.0658	2.9540	2.2560	277	.900	1.152	3.3235	7.0448	5.0631	6.2032
223	.549	1.052	19.6603	2.8079	1.2625	1.5449	278	.900	1.201	5.2006	10.0442	5.1004	6.0872
224	.549	1.102	21.3625	2.3568	1.6104	1.5949	279	.900	.853	5.0045	-1.7061	2.1526	2.0320
225	.549	1.152	22.6368	2.0547	2.1073	1.7308	280	.900	.782	5.6051	-1.1617	3.0471	3.4400
226	.549	1.201	22.0370	2.0217	2.7002	1.6452	281	.950	.751	5.3605	-1.3317	3.4403	4.0377
227	.550	1.202	23.1180	2.2071	2.5484	1.9803	282	.950	.802	3.3046	-0.9570	3.9703	3.6120
228	.600	1.002	5.9440	3.0943	4.9734	6.9516	283	.950	.853	.8862	.2097	4.9275	6.4657
229	.600	1.053	19.4438	4.1903	1.9160	2.1169	284	.950	.903	.1477	.7103	4.9654	6.0221
230	.600	1.102	21.2563	4.5685	1.3981	1.5925	285	.950	.952	-1.5704	2.4130	4.9261	8.9240
231	.600	1.151	22.7110	5.1934	2.0732	1.7429	286	.950	1.002	-1.2677	2.4130	4.9261	8.9240
232	.600	1.202	22.3947	4.9438	2.5074	2.3521	287	.950	1.053	-1.2674	6.0534	3.9043	8.9567
233	.649	.951	2.3329	8.4906	6.5871	4.4411	288	.950	1.103	1.6153	6.4991	3.6413	8.1339
234	.649	1.002	8.3253	4.0700	4.0950	6.5357	289	.950	1.152	1.1999	9.0642	4.0939	7.3090
235	.649	1.053	18.0731	5.9866	2.5736	3.2642	290	.950	1.202	1.1606	12.0184	4.4348	7.0210
236	.649	1.102	20.9685	6.0723	1.6357	1.6025	291	1.000	.552	4.4841	-1.0554	2.1280	3.0532
237	.649	1.151	21.9509	6.9511	2.2530	2.0171	292	1.000	.603	5.0169	-4.403	2.0510	2.0400
238	.649	1.202	22.0107	8.3608	2.8406	2.4863	293	1.000	.652	4.3455	.7459	2.1500	2.0570
239	.699	.951	.7519	6.2942	4.1762	4.4906	294	1.000	.702	5.1343	1.0699	2.0652	3.0461
240	.700	1.002	9.7721	4.2597	3.6441	5.4985	295	1.000	.753	4.4503	3.3055	3.2069	4.0003
241	.700	1.053	17.2503	5.8466	2.9853	4.4583	296	1.000	.803	2.4643	4.9648	4.1308	5.7052
242	.700	1.102	20.2551	7.8417	2.1025	2.1484	297	1.000	.852	1.0647	6.5710	4.1215	7.2637
243	.700	1.151	20.7001	9.0993	2.0244	1.7722	298	1.000	.902	-1.2000	7.4079	4.3348	8.2440
244	.748	1.002	20.4942	10.3730	2.6946	2.1190	299	1.000	.953	-3.0124	10.0175	4.0351	7.6263
245	.748	.901	-3.2921	3.4290	5.1876	4.2333	300	1.000	1.003	-3.3566	10.0818	4.0285	8.0371
246	.748	.952	2.5037	1.7100	6.1056	6.2700	301	1.000	1.052	-3.2742	11.5325	3.0936	8.5700
247	.748	1.003	11.2040	2.3722	4.4906	5.6597	302	1.000	1.102	-3.1226	13.4447	3.6587	8.9629
248	.748	1.052	17.3269	4.7562	3.2117	4.1974	303	1.000	1.153	-2.4860	15.4913	2.7500	7.9654
249	.748	1.102	19.1850	7.5724	2.2462	1.7811	304	1.000	1.203	-1.5213	16.4359	4.0315	8.0379
250	.748	1.152	18.0319	9.5777	2.3321	1.8093	305	1.050	.853	2.2150	-4.428	1.6236	2.1011
251	.748	1.203	17.4117	11.8161	2.3652	2.1833	306	1.050	.502	3.2280	-5.720	2.0739	2.5429
252	.798	.853	-1.4090	.8585	4.3974	4.0644	307	1.050	.551	3.8569	-1.254	2.2791	3.1380
253	.798	.902	-2.6603	-2.0139	5.4634	4.8520	308	1.050	.602	4.3092	1.3524	2.1941	4.0790
254	.798	.951	.9137	-3.0678	6.5313	5.9015	309	1.050	.654	2.7322	4.1585	2.8503	5.2167
255	.798	1.002	7.1282	-6.030	5.8713	6.1741	310	1.050	.703	3.2366	6.5683	3.2047	6.0283
256	.798	1.053	13.0579	1.4970	4.9017	3.9642	311	1.050	.752	2.1526	9.3630	3.3745	6.6066
257	.798	1.102	14.1009	5.4302	4.0992	3.1039	312	1.050	.802	1.4541	11.4330	3.6767	7.3548
258	.798	1.152	14.4249	9.3818	2.9000	2.1814	313	1.050	.854	-1.0883	14.0093	4.1063	7.2946
259	.798	1.202	14.0599	12.8075	2.6389	2.2473	314	1.050	.903	-2.4950	16.4554	3.2327	7.7090
260	.848	.802	1.7936	-2.2927	4.4707	4.1894	315	1.050	.952	-3.5377	17.1772	3.5524	5.7805
261	.848	.851	-0.3352	-3.6666	4.6941	4.5625	316	1.050	1.002	-5.4133	18.2091	2.6297	5.7882
262	.848	.902	-4.278	-5.3313	4.4774	5.0740	317	1.050	1.054	-5.3462	19.4783	3.3974	5.3550
263	.848	.953	-5.298	-4.6170	5.1341	6.0544	318	1.050	1.103	-5.5167	20.0646	2.8409	5.2217
264	.848	1.002	4.8043	-3.6370	6.1012	4.9507	319	1.050	1.152	-4.6812	20.2922	2.3657	5.3531
265	.848	1.052	6.9926	-8.948	6.3750	6.0417	320	1.050	1.202	-5.2783	22.0727	2.2194	3.2805
266	.848	1.102	9.4552	3.9464	4.8910	4.4087	321	1.050	.301	1.5655	.0579	1.4041	1.3097
267	.848	1.153	9.7933	7.6834	5.1934	3.9715	322	1.100	.352	2.8525	1.6882	2.1484	2.1484
268	.848	1.202	10.4199	11.1663	4.7889	3.9715	323	1.100	.403	2.8525	1.5134	2.0956	3.1314
269	.898	.752	5.0579	-2.6319	3.5913	3.2721	324	1.100	.453	2.5928	3.3992	2.6158	3.9078
270	.898	.801	4.0359	-3.3317	4.2847	4.7899	325	1.100	.501	3.0370	3.3330	3.0012	5.0142
271	.898	.852	1.2318	-3.6321	4.7015	5.6803	326	1.100	.553	2.8002	3.4756	6.2035	7.0326
272	.898	.903	.3524	-3.4053	4.8145	5.5824	327	1.100	.604	1.5807	10.3210	3.7009	8.0660
273	.899	.952	-6.812	-2.6735	4.8156	7.5547	328	1.100	.653	.6457	14.0486	3.4655	8.0660
274	.900	1.001	4.3050	-2.0924	4.2637	6.3305	329	1.100	.701	.0833	16.6267	3.1987	7.5015
275	.900	1.053	3.2068	1.3597	5.5872	7.3158	330	1.100	.753	-1.9473	19.8782	3.2233	6.8242

TEST NUMBER 81061602 RUN NUMBER 1 X/D = 2.60

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
331	1.100	.804	-2.5997	21.5244	2.0374	6.0689	386	1.200	1.051	-5.2088	24.2241	.7565	.8795
332	1.100	.853	-2.7536	21.6196	3.1369	6.2069	387	1.200	1.011	-5.1010	23.7147	.9455	1.2003
333	1.100	.902	-5.0023	23.3658	2.4898	4.1229	388	1.200	1.150	-5.3373	23.6303	.8822	.8883
334	1.100	.953	-5.4203	22.9242	2.2949	4.1109	389	1.200	1.200	-5.2586	23.3853	.8223	.8850
335	1.100	1.004	-6.2178	23.5277	2.0177	2.3394	390	-1.200	1.200	4.4595	23.8037	1.0888	.8271
336	1.100	1.053	-5.9542	23.3112	1.6655	2.8381	391	-1.200	1.501	5.2587	24.1147	1.0877	.9293
337	1.100	1.102	-5.3551	23.4358	1.4463	2.9790	392	-1.200	1.501	6.6907	23.7613	1.0077	.9083
338	1.100	1.153	-6.2089	23.2517	1.2922	2.0135	393	-1.200	1.651	7.9793	22.8118	.8545	.7295
339	1.100	1.203	-5.8279	23.1601	1.4430	1.5631	394	-1.200	1.800	8.7371	21.3358	.7285	.5938
340	1.150	.002	3.4893	26.6980	.7624	.6690	395	-1.200	1.950	8.8777	19.6756	.8857	.9613
341	1.150	.052	3.0107	26.4998	.7182	.6544	396	-1.200	2.102	8.4120	18.3249	.7589	.5492
342	1.150	.100	2.5160	26.3365	.6734	.6715	397	-1.200	2.252	7.7063	17.2970	.7531	.4260
343	1.150	.150	2.0225	26.4966	.6346	.6418	398	-1.200	2.500	6.9927	16.5218	.7045	.4324
344	1.150	.202	1.7295	26.4189	.5964	.6041	399	-1.200	2.550	6.1469	16.0738	.7347	.4462
345	1.150	.252	1.3488	26.3610	.5676	.7418	400	-1.200	2.702	5.2219	15.6371	.5914	.4765
346	1.150	.301	.8782	26.3209	.5256	.8397	401	-1.050	1.352	4.0576	22.9120	6.8013	2.8646
347	1.150	.351	.4394	26.2227	.4953	.7611	402	-1.050	1.352	6.8619	23.4736	4.9280	2.7017
348	1.150	.402	.0247	26.1096	.4533	.7377	403	-1.050	1.503	6.0579	23.8239	3.1945	2.1822
349	1.150	.452	-.5707	26.0868	1.2772	1.1494	404	-1.050	1.653	10.3079	23.8239	1.4326	1.1921
350	1.150	.501	-.7968	25.7846	1.5918	2.4682	405	-1.050	1.803	11.4135	21.6269	.9144	.7488
351	1.150	.551	-1.0335	25.9417	1.5848	1.8071	406	-1.050	1.953	10.9288	19.0641	.8555	.6132
352	1.150	.602	-1.6652	25.7052	1.4458	1.9882	407	-1.050	2.104	10.0931	17.3095	.8750	.4713
353	1.150	.653	-1.1461	25.0815	1.8204	3.5413	408	-1.050	2.254	8.7274	16.3649	.7417	.4960
354	1.150	.701	-2.4245	26.0549	1.5322	1.9022	409	-1.050	2.403	7.5749	15.5591	.4197	.4197
355	1.150	.751	-2.8344	25.8456	1.5304	2.0604	410	-1.050	2.554	6.5842	15.2930	.6751	.4714
356	1.150	.802	-2.9232	25.6857	1.5222	1.7249	411	-1.050	2.704	5.5177	15.0140	.6329	.4448
357	1.150	.852	-3.7962	25.6394	1.8234	1.8661	412	-1.050	2.854	-7.4865	11.5568	4.6164	3.7452
358	1.150	.901	-4.7426	25.9097	1.7368	1.5296	413	-1.050	3.004	-2.5304	26.1790	4.6347	4.3999
359	1.150	.951	-4.9924	25.0004	1.2457	1.3430	414	-1.050	3.154	5.1726	23.0482	4.8698	5.3689
360	1.150	1.002	-5.6216	24.7473	1.0990	1.1225	415	-1.050	3.304	9.5861	22.7230	4.3493	3.6460
361	1.150	1.052	-5.4442	24.2376	1.5877	1.4572	416	-1.050	3.454	14.6317	21.1568	2.1559	1.9352
362	1.150	1.101	-5.7435	23.8403	1.4246	1.0492	417	-1.050	3.604	13.7903	18.1164	1.8791	.7926
363	1.150	1.151	-5.1781	23.4991	1.2212	1.2363	418	-1.050	3.754	11.8387	15.9528	.8317	.6169
364	1.150	1.202	-5.5971	23.4174	1.0883	.9104	419	-1.050	3.904	9.8149	14.8781	.7836	.5548
365	1.200	0.000	3.4404	24.1514	.7675	.5828	420	-1.050	4.054	8.0380	14.3745	.7292	.5421
366	1.200	.054	2.8868	26.1177	.7066	.8126	421	-1.050	4.204	6.6854	14.2349	.5365	.4336
367	1.200	.104	2.5284	26.1792	.8047	.6050	422	-1.050	4.354	5.7188	14.1666	.7918	.4662
368	1.200	.153	2.2748	26.2606	.8337	.7078	423	-1.050	4.504	-17.4885	10.5252	2.8128	2.8648
369	1.200	.203	1.6684	26.3353	.7503	.7186	424	-1.050	4.654	-10.9691	18.6270	3.8962	2.9511
370	1.200	.254	1.2381	26.0982	.7529	.6009	425	-1.050	4.804	4.0311	23.9747	3.3687	3.6594
371	1.200	.304	.8881	26.3079	.8057	.7073	426	-1.050	4.954	14.1965	21.7621	4.1994	4.8148
372	1.200	.353	.3739	26.2623	.8642	.7240	427	-1.050	5.104	17.4765	17.6468	3.9392	3.2488
373	1.200	.403	-.0791	26.1432	.8022	.6122	428	-1.050	5.254	16.6668	15.0578	1.1631	1.2857
374	1.200	.454	-.4395	25.8763	.7069	.6250	429	-1.050	5.404	13.1097	13.2215	1.9545	.7950
375	1.200	.504	-.6271	26.0058	.5949	.7544	430	-1.050	5.554	10.2318	12.8156	.8312	.5784
376	1.200	.553	-1.1378	25.9158	.8127	.7828	431	-1.050	5.704	8.1322	12.6924	.9999	.4715
377	1.200	.603	-1.3199	25.7410	.8888	.8000	432	-1.050	5.854	6.5321	12.9647	.6533	.8801
378	1.200	.654	-2.1982	25.7095	1.0009	.9541	433	-1.050	6.004	5.4150	13.1996	.5814	.4601
379	1.200	.704	-2.7524	25.7455	1.1122	.9687	434	-1.050	6.154	-22.1685	4.6222	2.1670	2.3250
380	1.200	.753	-2.6136	25.6105	.9444	.8083	435	-1.050	6.304	-19.1161	8.1360	4.5332	3.6316
381	1.200	.803	-3.2136	25.7859	1.0170	.9980	436	-1.050	6.454	10.3542	13.1203	5.6841	7.2979
382	1.200	.854	-3.5816	25.4715	1.0239	.8690	437	-1.050	6.604	18.5734	11.8318	4.3388	3.6184
383	1.200	.904	-4.1554	25.0496	.9656	.8607	438	-1.050	6.754	17.8967	10.1941	4.4823	3.6192
384	1.200	.953	-4.5528	24.8406	.9555	.8555	439	-1.050	6.904	17.5621	9.5560	1.8997	1.7753
385	1.200	1.000	-4.8705	24.5187	.9619	.7886	440	-1.050	7.054	13.2873	9.7746	.8806	.7665

TEST NUMBER 81061602 RUN NUMBER 1 X/D \* 2.00

441	NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
442	441	-600	2.255	9.0044	10.2701	.7733	.5167	496	.149	2.254	-2.7094	5.1925	.5030	.5033
443	442	-600	2.404	7.4066	10.9280	.7712	.4025	497	.149	2.404	-2.1605	7.2640	.5094	.5096
444	443	-600	2.555	6.0504	11.6327	.6607	.5174	498	.149	2.554	-1.5811	8.0608	.5079	.5081
445	444	-600	2.704	4.0464	12.2207	.5765	.4720	499	.149	2.703	71.1575	10.1005	.5003	.5005
446	445	-600	1.200	-20.0042	-3.0543	1.0001	1.7430	500	.299	1.202	9.0803	-11.2433	1.4448	1.3403
447	446	-600	1.353	-14.0965	-6.1002	3.1760	3.6118	501	.300	1.353	0.0003	-11.2433	2.5103	2.3004
448	447	-600	1.503	-8.2075	-1.8275	5.5497	4.6864	502	.300	1.504	.7544	-12.0956	3.1956	4.5479
449	448	-600	1.652	12.5316	1.1419	4.0203	3.2317	503	.300	1.654	-9.0900	-8.7874	1.6003	5.3942
450	449	-600	1.804	15.0839	1.3669	4.5327	3.3620	504	.300	1.802	-10.9936	-4.7100	1.6003	3.4220
451	450	-600	1.954	15.4914	3.5476	2.3378	1.4713	505	.300	1.953	-10.2117	.1818	.9207	1.4573
452	451	-600	2.104	11.2263	6.1389	.7076	.7175	506	.300	2.104	-7.0309	3.0274	.6070	.7032
453	452	-600	2.253	8.5628	7.9100	.7667	.6139	507	.300	2.254	-5.7058	6.2577	.6072	.6009
454	453	-600	2.404	6.4654	9.3555	.7525	.5924	508	.300	2.403	-4.3404	8.0958	.5708	.5297
455	454	-600	2.554	5.1829	10.5325	.5680	.4831	509	.300	2.554	-3.1918	9.6343	.6226	.5305
456	455	-600	2.704	4.1109	11.4355	.6172	.4565	510	.300	2.704	-2.3655	10.6518	.5068	.5035
457	456	-600	1.204	-15.2627	-5.4894	1.1335	1.4304	511	.450	1.202	20.5863	-2.4827	2.2907	1.0908
458	457	-600	1.352	-10.0990	-11.1430	2.6245	2.6135	512	.450	1.353	15.3693	-5.5547	3.5469	3.4438
459	458	-600	1.503	-4.0463	-12.0037	4.1525	2.6212	513	.450	1.504	-5.8531	-7.2011	3.8176	4.9009
460	459	-600	1.654	7.0955	-10.3172	4.2618	2.5430	514	.450	1.653	-14.5859	-7.7016	3.6246	5.3340
461	460	-600	1.804	11.0339	-5.5470	3.1283	1.5311	515	.450	1.803	-15.9612	1.8306	2.7461	4.1556
462	461	-600	1.953	10.2778	-3.9083	1.5942	.9466	516	.450	1.954	-14.1341	4.6230	1.6401	2.2820
463	462	-600	2.104	8.0411	3.4644	.7344	.5790	517	.450	2.104	-10.6825	6.6933	.9744	.9134
464	463	-600	2.254	6.2029	6.1346	.6824	.6117	518	.450	2.254	-7.8627	8.2289	.5942	.6377
465	464	-600	2.404	4.0063	8.0135	.5981	.5394	519	.450	2.403	-5.0960	9.4609	.5491	.5808
466	465	-600	2.553	3.7141	9.4340	.6302	.5107	520	.450	2.554	-4.4467	10.5000	.4853	.5140
467	466	-600	2.704	2.0997	10.6825	.5837	.5447	521	.450	2.704	-3.4954	11.3863	.4532	.4804
468	467	-600	1.204	-8.0006	-3.2433	1.0100	.7502	522	.600	1.203	21.4982	5.7095	2.2095	2.1160
469	468	-600	1.352	-5.0790	-9.2049	.8971	1.0214	523	.600	1.353	15.9608	11.0908	3.6024	3.6334
470	469	-600	1.503	-9.157	-11.0319	1.1134	1.1263	524	.600	1.504	-7.0397	17.3257	6.2542	4.5187
471	470	-600	1.654	2.0952	-10.2916	1.4440	1.1467	525	.600	1.652	-10.3264	13.4459	4.0703	4.4090
472	471	-600	1.804	4.6058	-5.6201	1.0159	.7981	526	.600	1.803	-16.9690	11.1073	3.6596	4.1768
473	472	-600	1.953	4.7457	-1.7041	.8111	.7785	527	.600	1.954	-15.4088	10.2505	2.0021	2.2048
474	473	-600	2.104	4.1999	2.1201	.6842	.6277	528	.600	2.104	-12.1789	10.2000	.9735	.9440
475	474	-600	2.254	3.3331	4.9519	.5566	.4471	529	.600	2.253	-9.0130	10.5199	.6122	.6407
476	475	-600	2.404	2.6141	7.2009	.5312	.5571	530	.600	2.404	-7.0397	11.1213	.6232	.6210
477	476	-600	2.553	2.0863	8.6250	.5380	.4943	531	.600	2.554	-5.5040	11.6003	.5555	.5100
478	477	-600	2.704	1.4985	10.2432	.5591	.5446	532	.600	2.704	-4.2439	12.2395	.5878	.4517
479	478	0.000	1.204	-3.456	-2.0167	1.1769	.6864	533	.750	1.203	15.3525	11.5132	2.4795	1.9020
480	479	0.000	1.352	-5.592	-7.7712	.8399	.6956	534	.750	1.353	6.6119	20.3300	3.5074	3.6140
481	480	0.000	1.503	-3.336	-10.0479	.9333	.6797	535	.750	1.504	-6.1076	23.6102	4.3372	3.9209
482	481	0.000	1.654	-5.889	-8.0001	.7607	.7144	536	.750	1.654	-14.0559	19.9329	4.5502	3.5116
483	482	0.000	1.804	-4.299	-5.4932	.7731	.6390	537	.750	1.803	-14.8657	17.1601	2.8548	3.0235
484	483	0.000	1.953	-2.0450	-1.6715	.6519	.5972	538	.750	1.953	-14.7851	14.7427	.8804	1.1776
485	484	0.000	2.104	.0281	4.0697	.6465	.6020	539	.750	2.104	-11.6728	13.1808	.6311	.6077
486	485	0.000	2.254	.0761	4.6910	.5404	.5943	540	.750	2.254	-9.1294	12.9153	.5708	.6700
487	486	0.000	2.404	-2.208	6.9252	.5304	.5304	541	.750	2.403	-7.3222	12.0340	.5037	.5167
488	487	0.000	2.553	.3035	8.6415	.5969	.5194	542	.750	2.553	-5.0537	12.0826	.6109	.8404
489	488	0.000	2.704	.2920	10.1460	.5977	.6161	543	.750	2.704	-4.6205	13.1396	.5421	.6113
490	489	.149	1.204	7.0760	-3.3780	.9558	.7591	544	.900	1.203	4.4340	11.5870	5.3919	6.0002
491	490	.149	1.354	4.0696	-9.6531	1.4339	.9650	545	.900	1.354	.9544	10.8098	5.2163	5.4956
492	491	.149	1.503	-3.6020	-12.1174	1.4414	1.4065	546	.900	1.504	-4.3064	22.2056	4.5775	4.5250
493	492	.149	1.653	-3.6672	-10.0955	1.3210	1.4745	547	.900	1.653	-11.0342	22.5209	2.9260	3.0612
494	493	.149	1.804	-5.2466	-5.7767	.9706	1.0140	548	.900	1.803	-13.1752	20.3434	1.8670	1.2706
495	494	.149	1.954	-4.0511	-1.1834	.6872	.7411	549	.900	1.954	-12.3357	17.3243	.7706	.8023
	495	.149	2.103	-3.9143	2.4395	.6265	.6256	550	.900	2.104	-10.5753	15.6705	.6434	.6849

TEST NUMBER 81061602 RUN NUMBER 1 X/D = 2.60

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
551	.900	2.254	-8.6507	14.6960	.6502	.5871	564	1.050	2.553	-5.8609	15.0583	.5612	.5802
552	.900	2.403	-7.1826	14.0985	.5910	.5615	565	1.050	2.704	-5.0108	14.7199	.5664	.5661
553	.900	2.534	-6.0402	14.0156	.6687	.5391	566	1.200	1.203	-4.9726	23.3411	.9107	.8938
554	.900	2.704	-4.9339	14.0873	.5826	.5438	567	1.200	1.352	-5.8583	23.2921	.8766	.7903
555	1.050	1.204	-3.3785	20.0514	3.1418	6.3054	568	1.200	1.504	-6.7300	23.0181	1.8269	.7726
556	1.050	1.352	-4.9918	23.4650	2.3980	3.7574	569	1.200	1.654	-7.7371	21.8834	.7220	.6777
557	1.050	1.504	-7.8985	23.9815	1.6994	1.1911	570	1.200	1.804	-8.4591	20.4634	.6750	.6285
558	1.050	1.654	-9.7925	22.7187	.9851	1.0587	571	1.200	1.953	-8.4181	19.0656	.5898	.5692
559	1.050	1.804	-10.5584	20.5884	.9912	.9131	572	1.200	2.104	-7.8405	17.6739	.5511	.5847
560	1.050	1.952	-10.1550	18.5986	.6681	.6710	573	1.200	2.254	-7.0509	16.8414	.8921	.8733
561	1.050	2.104	-9.1826	16.9645	.6410	.6310	574	1.200	2.404	-6.2589	16.2548	.8765	.8231
562	1.050	2.254	-7.8062	15.9164	.5812	.6433	575	1.200	2.553	-5.5181	15.6473	.5803	.4844
563	1.050	2.404	-6.8778	15.3162	.5126	.5911	576	1.200	2.704	-4.8572	15.5879	.4633	.5864

TEST NUMBER 81061701 RUN NUMBER 2 X/D P 5.70

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
1	-1.000	.002	-4.2348	24.9055	1.0449	.8122	56	-1.300	.248	-3.0213	24.5399	1.3772	.0099
2	-1.000	.050	-3.9744	24.9767	1.2481	.7390	57	-1.300	.300	-3.3532	24.5044	1.0687	1.0478
3	-1.000	.101	-3.5643	24.9667	1.2360	.6714	58	-1.300	.350	-3.0703	24.3992	1.8740	1.1109
4	-1.000	.151	-3.2893	25.0079	1.0557	.7362	59	-1.300	.400	-2.9458	23.8579	2.8375	2.0929
5	-1.000	.200	-3.1041	25.2355	1.4128	.8599	60	-1.300	.448	-2.6279	21.2550	5.9919	4.1005
6	-1.000	.250	-2.8651	25.2773	1.3459	.8639	61	-1.300	.500	-2.0630	22.3256	4.3457	3.6685
7	-1.000	.301	-2.3017	25.4575	1.4718	.7413	62	-1.300	.550	-1.5271	20.5768	5.0983	4.6983
8	-1.000	.351	-2.1493	25.3769	1.3896	.7043	63	-1.300	.600	-1.5175	18.9790	6.9452	4.7511
9	-1.000	.400	-1.9953	25.3556	1.4120	.8663	64	-1.300	.648	-1.1050	17.6552	6.7238	4.6718
10	-1.000	.450	-1.5935	25.3056	1.8504	.7842	65	-1.300	.699	-1.0939	18.4004	6.7346	4.5669
11	-1.000	.501	-1.3643	25.6866	1.3985	.7188	66	-1.300	.750	-1.5158	17.9281	6.5307	4.1594
12	-1.000	.551	-1.1970	25.6918	1.6120	.7704	67	-1.300	.800	-6.9348	17.0762	6.6910	4.2239
13	-1.000	.600	-.2649	26.2870	1.4160	.6449	68	-1.300	.848	-1.8228	18.2619	6.8442	4.5285
14	-1.000	.650	-.1038	26.2512	1.4477	.7753	69	-1.300	.899	-.0776	17.7721	7.4744	4.7858
15	-1.000	.701	-.2018	26.2318	1.4587	.9777	70	-1.300	.950	.9830	17.6950	7.0780	5.1280
16	-1.000	.751	.7257	26.4751	1.3901	.9441	71	-1.300	1.000	1.4667	18.5437	6.5501	4.8099
17	-1.000	.800	.6896	26.5494	1.2553	.9893	72	-1.300	1.048	1.0161	17.3988	6.9907	4.2762
18	-1.000	.850	1.4527	26.5372	1.2145	.8609	73	-1.300	1.099	1.4917	17.1100	7.5061	3.9522
19	-1.000	.901	2.3093	26.3910	1.2369	.9120	74	-1.300	1.150	.8304	17.4164	7.0370	4.1968
20	-1.000	.951	2.8079	26.3366	1.2421	.9617	75	-1.300	1.199	1.7134	17.5114	7.0624	3.6998
21	-1.000	1.000	3.3102	26.4302	1.3318	.9774	76	-1.250	.082	-5.0047	24.4096	1.5928	.9013
22	-1.000	1.050	3.3182	26.1826	1.3778	1.0760	77	-1.250	.050	-4.8771	24.3331	1.4142	.8051
23	-1.000	1.100	3.8551	25.9982	1.4191	1.0278	78	-1.250	.098	-4.6108	24.4133	1.6423	.9958
24	-1.000	1.151	4.1719	25.8012	1.3066	1.0350	79	-1.250	.150	-3.9378	25.0856	1.9998	1.7208
25	-1.000	1.200	4.3717	25.2138	1.6315	.9355	80	-1.250	.200	-3.5808	23.4546	3.9099	3.9127
26	-1.350	.000	-4.7743	24.0596	1.3333	.8619	81	-1.250	.250	-2.7245	28.0682	5.5097	6.8417
27	-1.350	.051	-4.5414	24.2401	1.4422	.7374	82	-1.250	.299	-2.0212	15.3329	6.6423	7.5138
28	-1.350	.102	-4.3841	24.1461	1.5041	.8653	83	-1.250	.350	-1.6346	13.8899	7.3212	6.0731
29	-1.350	.154	-3.9660	24.4391	1.2924	.8087	84	-1.250	.400	-1.3555	12.4714	7.1827	6.3042
30	-1.350	.203	-3.8646	24.0684	1.5337	.8349	85	-1.250	.450	-1.8543	12.6098	7.6749	5.8955
31	-1.350	.252	-3.5864	24.2903	1.4484	.7143	86	-1.250	.498	-.8880	13.3495	7.6435	6.1411
32	-1.350	.302	-3.2671	24.3940	1.2346	.8171	87	-1.250	.550	-.5526	12.0088	6.8236	5.1342
33	-1.350	.354	-3.0271	24.3503	1.5945	.9613	88	-1.250	.600	-.4360	11.9597	7.1977	4.7969
34	-1.350	.401	-2.7478	24.6303	1.5174	.8837	89	-1.250	.649	-.5357	12.5046	6.8953	4.9347
35	-1.350	.450	-2.7258	24.7207	1.7447	.8736	90	-1.250	.699	-.7335	12.4397	7.0181	4.1465
36	-1.350	.500	-2.5446	24.4419	1.9123	1.0931	91	-1.250	.750	-.6060	14.4056	7.2253	4.7074
37	-1.350	.551	-2.1262	24.2931	2.8653	1.6530	92	-1.250	.800	-1.0327	11.9422	6.2133	4.4881
38	-1.350	.601	-2.3043	23.5386	3.6165	2.3283	93	-1.250	.850	.9315	14.1913	7.0281	4.7183
39	-1.350	.650	-1.4919	23.8292	2.8610	2.6800	94	-1.250	.899	.9925	13.9386	7.1927	4.8644
40	-1.350	.700	-1.7822	22.9990	4.6967	3.0499	95	-1.250	.950	.0606	13.0737	7.7439	4.8722
41	-1.350	.751	-1.1710	22.6317	4.1164	3.7356	96	-1.250	1.000	1.7524	13.8438	8.2584	4.7098
42	-1.350	.801	-.6567	22.6712	4.5810	3.0690	97	-1.250	1.050	2.5122	15.0250	7.4328	4.5249
43	-1.350	.850	-1.1125	21.1797	6.5083	3.3279	98	-1.250	1.099	2.6513	14.5976	7.4086	4.1010
44	-1.350	.900	.5943	23.1423	4.5532	2.7067	99	-1.250	1.150	2.4524	14.9291	7.3995	3.7113
45	-1.350	.951	.5589	21.7283	5.3836	3.1559	100	-1.250	1.200	1.9524	14.7569	7.7190	3.5863
46	-1.350	1.001	.8075	22.2199	5.0527	3.3117	101	-1.201	.000	-4.7270	15.1150	3.2241	3.2312
47	-1.350	1.050	2.5666	22.5492	4.1868	3.3355	102	-1.201	.050	-2.3678	15.1733	6.4031	8.3804
48	-1.350	1.100	1.9083	21.1961	5.4786	3.4165	103	-1.201	.100	-.9823	7.2987	5.4354	6.8569
49	-1.350	1.151	1.7031	21.4388	5.3783	2.5206	104	-1.201	.150	-.1993	3.2322	2.4231	2.9146
50	-1.350	1.200	1.2876	20.6026	6.1006	2.8433	105	-1.201	.199	-.1954	1.6172	1.4508	1.9264
51	-1.300	.001	-4.9371	24.1377	1.4656	.9557	106	-1.201	.250	-.2818	1.8863	2.2805	2.0672
52	-1.300	.052	-4.6887	24.3165	1.3336	.7461	107	-1.201	.300	-.6699	1.3326	2.4585	1.7919
53	-1.300	.104	-4.3182	24.3517	1.4257	.9103	108	-1.201	.350	-.9327	1.8761	3.0695	2.2877
54	-1.300	.154	-4.1722	24.3464	1.4973	.7352	109	-1.201	.399	-1.5655	2.1256	3.2868	2.3314
55	-1.300	.204	-4.0133	24.3793	1.3790	.8687	110	-1.201	.450	-2.0476	2.2612	2.7180	2.4935

TEST NUMBER 01061701 RUN NUMBER 2 X/D = 5.70

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
111	-1.201	.500	-1.5967	2.9124	3.7508	2.7379	166	-1.051	.754	-.2317	-1.4823	3.0181	3.0536	166	-1.051	.754	-.2317	-1.4823	3.0181	3.0536
112	-1.201	.550	-.6920	4.5208	5.3522	3.3614	167	-1.051	.804	-.3100	-2.1564	3.4760	4.2760	167	-1.051	.804	-.3100	-2.1564	3.4760	4.2760
113	-1.201	.599	-.7150	4.4797	5.7564	3.1289	168	-1.051	.854	-.2037	-1.7235	5.1255	4.5187	168	-1.051	.854	-.2037	-1.7235	5.1255	4.5187
114	-1.201	.650	-1.1020	5.1406	5.7777	3.8366	169	-1.051	.903	-.3250	-2.0315	4.6944	5.1344	169	-1.051	.903	-.3250	-2.0315	4.6944	5.1344
115	-1.201	.700	-.2086	5.4380	5.0272	4.1009	170	-1.051	.954	-.2735	-.7502	5.9272	4.7009	170	-1.051	.954	-.2735	-.7502	5.9272	4.7009
116	-1.201	.750	-.4639	6.6343	5.6850	3.8113	171	-1.051	1.004	-1.6251	1.3040	5.5766	6.0479	171	-1.051	1.004	-1.6251	1.3040	5.5766	6.0479
117	-1.201	.800	-.5792	6.4555	6.1208	4.7812	172	-1.051	1.054	-2.7261	1.3040	5.5766	6.0479	172	-1.051	1.054	-2.7261	1.3040	5.5766	6.0479
118	-1.201	.850	-.2202	7.4103	6.7636	4.5925	173	-1.051	1.103	-.2959	2.4695	6.0462	5.9753	173	-1.051	1.103	-.2959	2.4695	6.0462	5.9753
119	-1.201	.900	-.9565	9.3404	7.4006	5.1641	174	-1.051	1.154	-4.7184	4.7036	5.9514	5.9934	174	-1.051	1.154	-4.7184	4.7036	5.9514	5.9934
120	-1.201	.950	-.8525	7.9031	7.3067	5.3369	175	-1.051	1.204	-5.8731	6.5549	5.9467	5.5349	175	-1.051	1.204	-5.8731	6.5549	5.9467	5.5349
121	-1.201	.999	1.4000	9.7598	8.2667	5.0319	176	-1.001	.853	-.5877	-.5424	2.6853	2.3120	176	-1.001	.853	-.5877	-.5424	2.6853	2.3120
122	-1.201	1.050	1.8648	8.9551	7.6113	4.4216	177	-1.001	.704	-.8145	-1.1342	2.7622	3.2699	177	-1.001	.704	-.8145	-1.1342	2.7622	3.2699
123	-1.201	1.100	2.3106	10.7070	8.3262	3.8185	178	-1.001	.759	-.0454	-.7069	2.9499	3.5762	178	-1.001	.759	-.0454	-.7069	2.9499	3.5762
124	-1.201	1.150	-.9158	10.0970	8.3208	3.8019	179	-1.001	.799	-.1909	-1.5118	3.5538	3.6029	179	-1.001	.799	-.1909	-1.5118	3.5538	3.6029
125	-1.201	1.199	-.5864	10.8859	7.6597	3.7198	180	-1.001	.849	-.8087	-2.1651	4.4410	4.4309	180	-1.001	.849	-.8087	-2.1651	4.4410	4.4309
126	-1.201	1.249	-.0876	1.0770	1.6584	1.4138	181	-1.001	.900	-1.2740	-1.7896	4.7311	5.1961	181	-1.001	.900	-1.2740	-1.7896	4.7311	5.1961
127	-1.201	1.299	-.0875	-.8762	2.2125	1.5435	182	-1.001	.950	-2.9057	-.5976	5.6077	5.1210	182	-1.001	.950	-2.9057	-.5976	5.6077	5.1210
128	-1.201	1.350	-.7744	-.0552	2.9334	1.7540	183	-1.001	.999	-.8547	-.0636	5.5144	5.0392	183	-1.001	.999	-.8547	-.0636	5.5144	5.0392
129	-1.201	1.400	-1.3324	-.2278	2.6398	1.7107	184	-1.001	1.049	-.5941	1.5520	4.8616	8.8512	184	-1.001	1.049	-.5941	1.5520	4.8616	8.8512
130	-1.201	1.450	-1.9922	-.0010	2.1163	1.8294	185	-1.001	1.099	-.6212	3.0207	5.4286	6.1542	185	-1.001	1.099	-.6212	3.0207	5.4286	6.1542
131	-1.201	1.500	-2.3374	-.1624	2.6445	2.3703	186	-1.001	1.150	-6.2142	4.2497	5.4266	5.8931	186	-1.001	1.150	-6.2142	4.2497	5.4266	5.8931
132	-1.201	1.550	-2.3615	-.5961	2.6342	1.9663	187	-1.001	1.199	-6.7183	6.3748	6.0752	5.7477	187	-1.001	1.199	-6.7183	6.3748	6.0752	5.7477
133	-1.201	1.600	-1.8028	1.1760	3.2773	2.5869	188	-1.001	1.249	-.6582	3.9668	3.7738	2.8580	188	-1.001	1.249	-.6582	3.9668	3.7738	2.8580
134	-1.201	1.650	-.9458	1.5994	3.8623	2.8445	189	-1.001	1.299	-.7401	-1.584	3.0575	3.3761	189	-1.001	1.299	-.7401	-1.584	3.0575	3.3761
135	-1.201	1.700	-1.5452	2.6629	4.4259	3.5668	190	-1.001	1.349	-.8092	3.920	2.8992	2.8163	190	-1.001	1.349	-.8092	3.920	2.8992	2.8163
136	-1.201	1.750	-.8474	2.5029	5.1177	4.3023	191	-1.001	1.399	-.9332	-.0882	3.5193	3.0320	191	-1.001	1.399	-.9332	-.0882	3.5193	3.0320
137	-1.201	1.800	-1.5002	-.8647	5.4480	4.5070	192	-1.001	1.449	-.9311	-.6980	5.3369	4.5177	192	-1.001	1.449	-.9311	-.6980	5.3369	4.5177
138	-1.201	1.850	-.2423	2.5256	5.7047	4.0741	193	-1.001	1.499	-.9311	-.6980	5.3369	4.5177	193	-1.001	1.499	-.9311	-.6980	5.3369	4.5177
139	-1.201	1.900	-.4437	3.3714	6.3904	4.5053	194	-1.001	1.549	-.8770	-.0559	5.5907	5.8143	194	-1.001	1.549	-.8770	-.0559	5.5907	5.8143
140	-1.201	1.950	-.5136	3.9617	7.6664	4.1647	195	-1.001	1.599	-.8770	-.0559	5.5907	5.8143	195	-1.001	1.599	-.8770	-.0559	5.5907	5.8143
141	-1.201	2.000	-.6300	2.7758	7.2766	4.9044	196	-1.001	1.649	-.8605	3.3092	5.2107	6.4713	196	-1.001	1.649	-.8605	3.3092	5.2107	6.4713
142	-1.201	2.050	-1.0091	5.4409	7.1782	4.9858	197	-1.001	1.699	-7.0829	4.5217	5.3174	5.7671	197	-1.001	1.699	-7.0829	4.5217	5.3174	5.7671
143	-1.201	2.100	-.2586	5.3333	7.2140	4.5216	198	-1.001	1.749	-.9091	5.9091	5.0653	5.1732	198	-1.001	1.749	-.9091	5.9091	5.0653	5.1732
144	-1.201	2.150	-.1070	7.2793	6.6669	4.1199	199	-1.001	1.799	-.8121	1.0422	3.0280	2.7544	199	-1.001	1.799	-.8121	1.0422	3.0280	2.7544
145	-1.201	2.200	-1.0202	8.2930	7.0634	4.1667	200	-1.001	1.849	-.1487	7.1162	3.8487	3.5297	200	-1.001	1.849	-.1487	7.1162	3.8487	3.5297
146	-1.201	2.250	-1.4435	-.4238	2.9589	1.8052	201	-1.001	1.899	-.2097	-.8285	4.2603	3.9876	201	-1.001	1.899	-.2097	-.8285	4.2603	3.9876
147	-1.201	2.300	-2.4716	-.4276	2.5975	1.9479	202	-1.001	1.949	-.3503	1.1374	5.6538	4.7987	202	-1.001	1.949	-.3503	1.1374	5.6538	4.7987
148	-1.201	2.350	-.24365	-.4412	2.4825	1.9468	203	-1.001	1.999	-.50719	-.0943	5.6582	5.4914	203	-1.001	1.999	-.50719	-.0943	5.6582	5.4914
149	-1.201	2.400	-2.3661	-.1943	2.2299	2.2347	204	-1.001	2.049	-.81438	2.2335	4.6993	4.0479	204	-1.001	2.049	-.81438	2.2335	4.6993	4.0479
150	-1.201	2.450	-1.8254	-.4019	3.0078	3.0937	205	-1.001	2.099	-.6573	4.0124	5.3613	5.0286	205	-1.001	2.099	-.6573	4.0124	5.3613	5.0286
151	-1.201	2.500	-1.5932	-.6295	3.4510	3.0719	206	-1.001	2.149	-.182344	3.9864	4.5813	4.6084	206	-1.001	2.149	-.182344	3.9864	4.5813	4.6084
152	-1.201	2.550	-1.3044	-.2216	4.2203	3.9432	207	-1.001	2.199	-.107997	6.0474	4.9566	4.2751	207	-1.001	2.199	-.107997	6.0474	4.9566	4.2751
153	-1.201	2.600	-1.2040	-.0330	4.7261	3.6694	208	-1.001	2.249	-.9947	2.0236	4.9566	4.2751	208	-1.001	2.249	-.9947	2.0236	4.9566	4.2751
154	-1.201	2.650	-.4171	-.4557	5.1421	5.0575	209	-1.001	2.299	-.9071	1.8136	3.0535	2.9471	209	-1.001	2.299	-.9071	1.8136	3.0535	2.9471
155	-1.201	2.700	-1.0829	-.5403	5.5774	4.9617	210	-1.001	2.349	-.41066	4.6669	3.9993	3.1028	210	-1.001	2.349	-.41066	4.6669	3.9993	3.1028
156	-1.201	2.750	-.7265	-.0555	6.4956	5.0822	211	-1.001	2.399	-.5958	1.2044	6.1353	4.2092	211	-1.001	2.399	-.5958	1.2044	6.1353	4.2092
157	-1.201	2.800	-.6670	-.9547	7.0781	5.9908	212	-1.001	2.449	-.852	1.000	6.0212	5.0711	212	-1.001	2.449	-.852	1.000	6.0212	5.0711
158	-1.201	2.850	-.9548	2.9092	6.8021	5.2935	213	-1.001	2.499	-.852	1.000	6.0212	5.0711	213	-1.001	2.499	-.852	1.000	6.0212	5.0711
159	-1.201	2.900	-1.5263	2.9203	6.1199	4.9255	214	-1.001	2.549	-.852	1.000	6.0212	5.0711	214	-1.001	2.549	-.852	1.000	6.0212	5.0711
160	-1.201	2.950	-1.6690	5.7931	6.7951	4.9527	215	-1.001	2.599	-.852	1.000	6.0212	5.0711	215	-1.001	2.599	-.852	1.000	6.0212	5.0711
161	-1.201	3.000	-1.8681	7.4123	7.3551	5.2067	216	-1.001	2.649	-.802	.950	5.9996	2.3353	216	-1.001					



TEST NUMBER 81061701 RUN NUMBER 2 X/D = 5.70

221	NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
222		-002	1.150	-12.3459	4.5837	5.3936	3.1575	276	.500	1.138	9.7476	-3.1293	3.2099	3.4782
223		-002	1.200	-14.3099	5.1109	4.3376	2.8799	277	.500	1.197	9.6052	-3.7854	3.6903	3.6266
224		-752	.948	-1.7224	2.2831	5.8849	2.3846	278	.550	1.052	10.5628	-2.0153	3.9903	3.4730
225		-752	.999	-7.4633	1.3639	6.6278	3.3661	279	.550	1.094	10.1399	-2.1959	3.8604	3.6344
226		-752	1.050	-11.1608	2.2777	5.4798	3.2120	280	.550	1.143	10.3338	-2.2447	3.6806	3.6344
227		-752	1.050	-13.1085	2.0857	4.4148	3.2214	281	.550	1.108	9.7376	-3.2720	3.2885	3.3420
228		-752	1.148	-14.0661	2.9436	3.6887	3.1064	282	.600	1.003	9.3855	-2.1624	3.3353	2.9811
229		-752	1.200	-16.5285	4.4396	4.1970	2.6449	283	.600	1.043	9.9780	-2.2902	3.0285	2.9780
230		-701	.999	-5.6893	.9919	6.9652	3.8700	284	.600	1.091	11.1651	-2.0411	3.1327	3.2155
231		-701	1.050	-11.4069	.9551	6.1510	3.1776	285	.600	1.133	10.5365	-2.1689	3.0043	3.5487
232		-701	1.100	-13.3975	1.9836	4.7073	2.7507	286	.600	1.200	10.7866	-2.6978	3.8196	3.3431
233		-701	1.148	-14.6435	2.4014	3.7195	2.6520	287	.650	1.001	9.4621	-1.8496	2.4356	3.7180
234		-701	1.199	-15.0884	2.7442	4.5322	2.8913	288	.650	1.045	10.1255	-1.2291	2.7876	3.1640
235		-652	1.050	-11.8389	-.0723	5.7191	2.9385	289	.650	1.090	10.7049	-1.7708	2.9563	3.4801
236		-652	1.100	-13.7014	.9966	5.2866	2.8205	290	.650	1.130	11.1083	-2.4202	3.1662	2.7378
237		-652	1.149	-15.6409	1.8292	3.7192	3.2780	291	.650	1.180	10.9550	-2.0532	3.8444	3.6750
238		-652	1.199	-16.2244	1.8893	4.1963	2.9993	292	.700	.950	8.1435	-1.0607	2.7052	4.3409
239		-603	1.048	-9.5085	.7773	6.6901	3.4447	293	.700	.991	9.3835	-.8930	2.4730	3.5861
240		-603	1.100	-14.5274	.7231	5.2300	3.1128	294	.700	1.038	10.9759	-1.0170	2.7702	2.9299
241		-603	1.150	-15.7066	.5361	4.2733	2.8053	295	.700	1.088	10.4733	-.7795	3.2430	3.3040
242		-603	1.198	-15.9638	1.0016	4.5110	3.2559	296	.700	1.144	11.5036	-.5648	3.2378	3.6003
243		-603	1.248	-16.7601	1.4819	4.1015	3.8105	297	.700	1.198	11.1676	-1.0292	3.4954	4.2748
244		-550	1.098	-15.2960	-.7667	3.4973	2.9990	298	.750	.902	5.2013	-.0542	2.3491	5.3414
245		-550	1.149	-16.1267	-.4921	3.4882	2.8244	299	.750	.938	7.9872	-.3588	2.5767	4.5803
246		-550	1.200	-16.7019	-.0335	3.5923	2.8093	300	.750	1.000	9.2809	-.1922	2.5671	3.7549
247		-500	1.100	-14.9091	-.6219	4.1495	3.3763	301	.750	1.030	9.9524	-.1443	2.5952	3.6881
248		-500	1.150	-17.2752	-.7063	2.9423	3.0413	302	.750	1.102	11.0390	-.1577	3.2088	3.7492
249		-500	1.199	-16.6914	-.15378	3.1238	3.5704	303	.750	1.142	11.0390	-.1959	3.2443	3.2540
250		-453	1.148	-16.3499	-.14774	3.2531	3.1435	304	.750	1.193	10.6959	-.4195	3.5684	3.9793
251		-400	1.150	-16.7813	-.14172	3.6245	3.8578	305	.800	.850	2.3915	-.6728	2.3895	5.0057
252		-400	1.200	-16.0150	-.26003	3.3355	3.1002	306	.800	.809	5.6813	-.1854	2.0337	5.5871
253		-350	1.200	-17.0258	-.2120	3.5805	3.2324	307	.800	.938	8.0368	-.0304	2.4957	3.7237
254		-350	1.150	-14.4787	-.1473	5.5291	2.5371	308	.800	.984	8.6685	-.4692	2.2280	4.2724
255		-300	1.199	-16.3682	-.22955	3.2383	4.1396	309	.800	1.040	10.0124	-.6190	3.2751	4.2751
256		-251	1.199	-15.5517	-.32656	2.9767	3.5583	310	.800	1.094	10.4837	-.3077	3.1678	3.3628
257		-202	1.199	-14.4813	-.23874	3.3593	4.2579	311	.800	1.145	10.8032	-.0956	2.6359	3.7749
258		-152	1.199	-13.6273	-.23467	4.1464	3.9133	312	.800	1.190	11.2750	-.6678	3.0805	3.7628
259		-100	1.200	-11.5951	-.14680	4.5449	3.6201	313	.850	.800	1.9058	-.8795	1.9470	4.0042
260		-050	1.200	-8.6060	-.2976	5.2204	4.3433	314	.850	.838	3.6944	-.7302	2.8951	4.4716
261		0.000	1.200	-5.4928	-.5593	6.5994	3.9037	315	.850	.890	6.3049	-.4540	2.4704	4.6354
262		0.000	1.200	-4.5936	-.0851	6.0421	4.1497	316	.850	.938	8.2053	-.8139	2.4916	3.9818
263		1.00	1.200	-3.0634	-.0868	5.0579	5.1464	317	.850	.990	8.9515	1.0795	2.5325	4.2114
264		1.00	1.200	-1.3201	-.7703	4.5437	4.1819	318	.850	1.036	9.5200	1.1736	2.7369	4.2676
265		1.00	1.200	.9453	-.13193	4.4909	5.2734	319	.850	1.092	10.5821	-.0105	3.6172	3.5636
266		2.00	1.200	3.3746	-.23406	4.1947	4.4940	320	.850	1.138	10.8350	1.1543	2.8460	3.5843
267		3.00	1.201	5.5385	-.22357	4.0522	5.0213	321	.850	1.192	12.1257	.4437	3.1762	3.5214
268		3.00	1.201	7.4485	-.27949	4.1452	4.2869	322	.900	.750	.7110	1.8058	2.5244	2.8347
269		3.50	1.152	7.4485	-.24036	3.9853	3.2775	323	.900	.802	1.7211	1.0412	2.9076	3.6782
270		4.00	1.151	9.8144	-.35247	3.7065	4.0774	324	.900	.842	4.7393	-.4457	2.7369	4.6087
271		4.00	1.151	9.8144	-.26842	3.6079	3.4166	325	.900	.890	6.5663	-.8429	2.6686	4.5299
272		4.50	1.186	8.1429	-.36210	3.3005	3.6110	326	.900	.939	7.4759	-.8236	2.5774	4.4532
273		4.50	1.100	9.2455	-.21603	2.9781	3.3640	327	.900	.993	8.8611	1.1947	2.8007	4.0273
274		4.50	1.149	9.5370	-.28830	3.4428	3.9201	328	.900	1.036	10.4029	1.6641	2.9151	3.4356
275		.500	1.202	8.9013	-.37213	3.7692	3.8079	329	.900	1.089	10.4636	1.6716	3.0252	3.6331
276		.500	1.102	9.9447	-.21312	3.3294	3.6551	330	.900	1.136	10.9747	2.5787	3.3992	4.1670

TEST NUMBER 81061701 RUN NUMBER 2 X/D = 5.70

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
331	.900	1.194	11.3962	2.8059	2.9799	4.1997	386	1.100	.949	6.5321	-.4681	3.7471	3.6713
332	.950	.651	.5462	.9985	2.7256	2.0042	387	1.100	.998	7.0341	.6687	3.2339	3.6551
333	.950	.685	.3386	1.0835	2.7387	2.2736	388	1.100	1.000	7.7509	2.1706	3.2103	3.4928
334	.950	.736	1.2927	.2865	3.9184	3.1164	389	1.100	1.000	8.9239	2.5146	2.8905	3.1034
335	.950	.794	2.1943	.5404	4.0593	4.6076	390	1.100	1.149	8.5125	3.8202	2.7925	4.0987
336	.950	.842	4.9572	-.4120	3.7207	4.5176	391	1.100	1.198	9.5118	4.3580	2.9279	3.8412
337	.950	.892	6.8804	.3024	2.8444	4.2064	392	1.150	0.900	.2253	.0582	1.6170	1.2280
338	.950	.936	8.0475	.6737	2.7948	3.7565	393	1.150	.950	.0667	-.6504	1.6142	1.3062
339	.950	.986	7.9589	.6849	3.6994	3.9096	394	1.150	.100	-.2433	-.6679	1.8223	1.5279
340	.950	1.046	9.2568	1.8864	2.9217	3.7641	395	1.150	.149	.3346	-.2774	1.9928	1.7220
341	.950	1.090	9.9537	1.9210	2.8377	3.4347	396	1.150	.188	.8993	-.8821	1.9863	1.7764
342	.950	1.138	10.5039	2.5343	3.2514	3.9475	397	1.150	.250	1.3684	-.10058	1.9479	1.8532
343	.950	1.189	10.9057	3.0007	2.5888	3.9559	398	1.150	.300	1.8475	-.7984	1.9973	2.2497
344	1.000	.601	.6894	-.5380	2.6005	2.2046	399	1.150	.350	2.7109	-.2813	1.6900	1.8728
345	1.000	.634	-.2119	-1.4661	3.5103	2.2169	400	1.150	.398	2.5756	-1.1112	2.1630	1.7250
346	1.000	.691	-.3928	-1.0749	3.6452	2.6105	401	1.150	.450	2.2336	-.8981	2.1063	1.9087
347	1.000	.738	.3420	-1.0739	3.5315	3.3779	402	1.150	.500	1.7854	-1.0372	2.7969	2.6858
348	1.000	.786	2.4726	-1.2214	4.4263	4.0218	403	1.150	.550	1.4358	-1.5165	3.8644	2.5485
349	1.000	.846	4.3548	-1.1696	3.4414	4.1223	404	1.150	.598	.8164	-.7859	3.6459	3.7233
350	1.000	.892	4.6246	.0504	3.9530	4.9908	405	1.150	.650	.5710	-1.8409	3.6885	3.4226
351	1.000	.949	7.9985	.5845	3.0675	3.3895	406	1.150	.700	1.0164	-1.9980	4.2495	3.2150
352	1.000	1.001	6.9027	1.8298	2.8559	4.0031	407	1.150	.750	1.0785	-2.7941	3.6097	3.8219
353	1.000	1.041	8.7286	1.7498	2.7197	3.8870	408	1.150	.798	1.9882	-2.1252	4.1818	4.2285
354	1.000	1.092	9.9871	1.7553	2.3730	3.8179	409	1.150	.850	1.9277	-.2517	4.1096	4.0625
355	1.000	1.144	9.9496	2.0924	2.8232	3.7892	410	1.150	.900	4.4417	-.8343	3.5940	4.4019
356	1.000	1.184	10.4023	3.0152	2.9285	3.7908	411	1.150	.950	5.2936	.3778	2.8842	4.2744
357	1.050	.454	1.8096	-.8225	2.1994	2.1504	412	1.150	.998	5.8456	.9825	3.0582	3.4431
358	1.050	.502	1.8228	-2.1456	2.5159	2.1157	413	1.150	1.050	6.6303	2.3786	2.8145	3.5988
359	1.050	.553	.8894	-1.7882	3.2555	2.1251	414	1.150	1.100	7.6573	3.2298	2.8432	3.8059
360	1.050	.604	.4151	-2.0225	2.9521	2.8087	415	1.150	1.150	8.2661	3.6682	3.3283	4.2243
361	1.050	.654	.1395	-1.9747	3.2700	2.8343	416	1.150	1.198	9.5015	4.6091	3.0530	4.0183
362	1.050	.699	-.0516	-1.9627	3.8097	3.1142	417	1.200	0.000	5.7830	18.7830	2.8179	1.6985
363	1.050	.748	.5767	-1.9234	3.8698	3.3720	418	1.200	.052	3.0864	9.5436	7.4816	4.5349
364	1.050	.800	2.4975	-1.8362	3.8788	3.7367	419	1.200	.101	1.0596	3.0045	3.5900	3.0194
365	1.050	.850	4.4582	-.9291	3.8122	4.2570	420	1.200	.152	1.3408	2.2324	2.6284	2.8644
366	1.050	.899	6.0890	-2.134	3.5622	3.8216	421	1.200	.203	1.2401	.9524	2.5038	2.7538
367	1.050	.949	6.5979	.4341	2.7356	4.1267	422	1.200	.253	1.7593	.4305	2.6133	2.7824
368	1.050	1.000	8.4475	.5650	2.9898	3.2983	423	1.200	.302	1.8521	.4040	2.1517	2.6830
369	1.050	1.050	7.4767	2.1014	2.9279	3.7767	424	1.200	.352	2.8166	-.8136	2.1180	2.1987
370	1.050	1.099	8.9110	2.3600	2.9432	3.4445	425	1.200	.403	2.7952	.6125	2.2519	2.5184
371	1.050	1.149	9.5174	2.9277	3.0806	3.3663	426	1.200	.450	2.7106	.6728	2.4522	2.7161
372	1.050	1.200	9.6718	3.9625	2.9742	4.2903	427	1.200	.498	2.3229	-.1330	3.2109	3.0844
373	1.100	.300	1.0980	-.5877	1.8068	2.2809	428	1.200	.550	1.8051	1.1979	2.8860	3.2253
374	1.100	.349	2.2793	-1.3908	1.8140	1.9715	429	1.200	.600	1.8031	.7429	3.3532	3.3769
375	1.100	.398	1.8992	-1.4482	2.1839	1.9769	430	1.200	.650	1.5222	1.1383	3.9736	4.5926
376	1.100	.450	2.1298	-1.7533	2.2627	1.7756	431	1.200	.698	.8669	-.0923	4.6449	4.6404
377	1.100	.500	1.5645	-1.4445	2.8489	2.1237	432	1.200	.750	1.0590	-.2044	3.3760	4.1352
378	1.100	.549	1.1341	-2.0919	3.3123	2.3791	433	1.200	.800	.5882	-.7667	3.3760	4.3379
379	1.100	.598	.0995	-2.0934	3.7173	2.8879	434	1.200	.850	2.7966	-.3703	3.5943	4.9556
380	1.100	.650	.3998	-2.6568	3.7217	3.5872	435	1.200	.900	3.2496	.3219	3.3835	4.7790
381	1.100	.700	.3065	-2.5868	3.5453	3.7273	436	1.200	.950	4.8472	.5774	2.8674	3.6889
382	1.100	.749	1.0947	-2.6992	3.5736	4.0100	437	1.200	1.000	5.4843	1.6926	2.9943	4.2139
383	1.100	.798	.9445	-2.0038	3.8665	4.1484	438	1.200	1.050	6.0498	2.3655	2.9428	3.7970
384	1.100	.850	2.9455	-2.9259	3.8338	4.6120	439	1.200	1.098	3.6193	3.9099	2.6538	3.9063
385	1.180	.900	4.4741	-.8440	4.1859	4.0348	440	1.200	1.149	7.4994	4.8928	2.8182	3.7126

TEST NUMBER 81061701 RUN NUMBER 2 X/D = 5.70

441	1.200	1.200	1.200	7.9220	4.5241	3.1179	4.4917	MS	NO.	Y	Z	V	M	VS	VS	VS	VS	VS	VS
442	1.250	0.800	0.800	6.1940	19.8563	1.0120	.9954		496	1.350	.199	6.0231	19.1765						1.0709
443	1.250	.052	.052	6.0176	20.0238	1.1631	1.2997		497	1.350	.248	5.9742	19.2205						1.0346
444	1.250	.101	.101	5.8207	19.7810	1.3428	1.3142		498	1.350	.300	5.6367	19.1689						2.0427
445	1.250	.151	.151	5.2935	18.1218	4.0280	2.0931		499	1.350	.350	5.7483	18.7989						1.0900
446	1.250	.202	.202	3.6570	13.6556	5.0813	5.0813		500	1.350	.400	5.2756	17.2249						3.0747
447	1.250	.252	.252	3.6891	10.4718	6.1690	5.3355		501	1.350	.448	4.9775	16.1338						3.9723
448	1.250	.301	.301	3.2239	6.3398	4.4151	5.3633		502	1.350	.500	4.8142	13.9088						4.1517
449	1.250	.352	.352	4.1353	5.6949	4.7645	5.3278		503	1.350	.550	3.9159	12.1274						4.3583
450	1.250	.402	.402	3.1360	5.8570	3.3272	5.3219		504	1.350	.599	3.2096	11.0936						4.6844
451	1.250	.452	.452	2.8147	4.3160	3.5606	5.0891		505	1.350	.648	2.8519	9.3047						5.1684
452	1.250	.500	.500	2.8298	4.3823	3.9741	4.8045		506	1.350	.699	2.6863	8.9587						5.5553
453	1.250	.552	.552	2.2441	5.0128	3.9222	5.0166		507	1.350	.750	2.1203	6.5203						5.7509
454	1.250	.602	.602	2.0285	4.0669	3.8278	4.9507		508	1.350	.799	2.6873	7.0945						5.9392
455	1.250	.652	.652	1.2092	1.8769	4.3864	4.5436		509	1.350	.848	1.9720	6.7151						5.8434
456	1.250	.700	.700	1.8116	3.0908	4.5279	5.3196		510	1.350	.900	2.5127	5.6748						5.0907
457	1.250	.752	.752	.6468	2.6527	4.0819	5.5691		511	1.350	.950	2.8316	5.8471						5.8037
458	1.250	.802	.802	2.0156	1.5853	3.8902	5.2890		512	1.350	.999	2.8662	4.8237						5.1482
459	1.250	.852	.852	2.1948	2.0428	3.2933	5.9712		513	1.350	1.048	4.3559	5.0504						5.2163
460	1.250	.900	.900	2.7920	1.4515	3.3858	5.0384		514	1.350	1.099	5.6758	5.0528						4.7179
461	1.250	.952	.952	2.9254	3.2703	3.0175	5.1276		515	1.350	1.150	5.2483	6.1540						5.0037
462	1.250	1.002	1.002	5.0059	2.4629	3.2029	3.9225		516	1.350	1.199	5.5160	5.8092						5.0932
463	1.250	1.052	1.052	5.3047	4.1236	3.8484	5.3861		517	1.400	0.000	6.1128	18.5311						.9539
464	1.250	1.101	1.101	6.0137	4.5240	2.9947	4.0833		518	1.400	.052	6.0787	18.7776						.9646
465	1.250	1.152	1.152	5.9590	5.5469	3.1722	4.7831		519	1.400	.101	6.1264	18.5590						.8301
466	1.250	1.202	1.202	7.2089	5.5342	2.7231	3.8474		520	1.400	.152	6.0662	18.9462						.8021
467	1.300	0.000	0.000	6.2258	19.6526	.9010	.9420		521	1.400	.203	6.1439	18.7634						.8545
468	1.300	.054	.054	6.0819	19.9587	.9632	.9737		522	1.400	.249	6.0719	18.8908						.9241
469	1.300	.105	.105	5.7768	20.1600	1.0414	1.2520		523	1.400	.298	6.0897	18.7801						.8681
470	1.300	.154	.154	5.7768	20.0159	.9514	1.2800		524	1.400	.348	6.0133	18.9392						1.2450
471	1.300	.204	.204	5.7879	19.6697	1.2533	1.5585		525	1.400	.400	6.1379	18.7330						1.6780
472	1.300	.252	.252	5.5851	18.2052	3.0881	3.3407		526	1.400	.449	5.5545	18.3983						2.0418
473	1.300	.300	.300	5.2028	16.0895	3.8255	4.4408		527	1.400	.498	5.5855	18.8096						3.0545
474	1.300	.349	.349	5.0839	13.1997	4.6650	5.5880		528	1.400	.548	4.7975	16.2933						2.9821
475	1.300	.398	.398	4.3647	10.5826	4.3249	5.5181		529	1.400	.600	4.0571	15.6605						3.6936
476	1.300	.450	.450	3.0349	9.4306	4.3059	6.2999		530	1.400	.650	3.3719	13.4533						4.2755
477	1.300	.500	.500	3.2587	9.2683	4.4212	6.2999		531	1.400	.699	2.7136	12.6148						5.0642
478	1.300	.549	.549	3.6669	8.2906	4.3158	5.0656		532	1.400	.750	2.9667	12.2029						5.2685
479	1.300	.598	.598	2.2017	7.0323	3.9911	4.6620		533	1.400	.801	2.7731	8.4836						5.3871
480	1.300	.650	.650	1.5469	6.3202	4.5624	5.2426		534	1.400	.850	2.6058	8.5977						4.2862
481	1.300	.700	.700	1.8023	4.2649	4.1249	4.7306		535	1.400	.899	3.0009	7.3268						3.9121
482	1.300	.749	.749	2.4088	4.9495	3.8917	6.2440		536	1.400	.950	2.3543	7.0286						3.9641
483	1.300	.798	.798	1.9523	3.2723	3.8813	5.9185		537	1.400	1.000	3.4335	6.0748						5.5286
484	1.300	.850	.850	2.1106	3.5388	3.3266	5.6010		538	1.400	1.050	4.2515	5.9686						5.5688
485	1.300	.900	.900	2.7177	2.7375	3.4277	4.6557		539	1.400	1.099	4.7800	6.9102						5.2932
486	1.300	.949	.949	2.6031	3.2423	3.3156	5.2743		540	1.400	1.150	4.9574	6.5488						3.3285
487	1.300	.998	.998	4.2748	3.5861	2.9619	5.5327		541	1.400	1.200	5.2593	6.7494						3.0731
488	1.300	1.050	1.050	5.5534	3.5750	2.7709	5.3277												5.8037
489	1.300	1.100	1.100	4.9043	5.4057	2.8672	4.7819												5.0932
490	1.300	1.149	1.149	5.7509	5.1668	2.3850	4.1244												5.0510
491	1.300	1.198	1.198	5.6611	6.0564	3.2033	4.6859												5.8037
492	1.350	0.000	0.000	6.2854	19.0916	1.0450	.8645												5.6103
493	1.350	.048	.048	6.0721	19.2443	.9734	.9496												
494	1.350	.100	.100	6.1001	19.2721	.9809	.9322												
495	1.350	.150	.150	6.0591	19.1546	.9101	1.0755												

TEST NUMBER 81070702 RUN NUMBER 3 X/O = .75

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
1	-510	0.000	-3.9262	25.9061	.4411	.6349	56	-450	.361	4.0510	24.9664	.5610	.7522
2	-510	.029	-3.0840	26.1932	.4904	.5938	57	-450	.391	4.4543	24.4743	.6491	.5789
3	-510	.059	-2.4292	26.2556	.4669	.6583	58	-450	.419	4.7590	23.8368	.6965	.6732
4	-510	.089	-1.5809	26.1885	.5161	.5705	59	-450	.449	5.1159	23.5620	.7220	.7174
5	-510	.119	-.8748	26.0980	.4646	.7435	60	-450	.480	5.2884	23.1806	.6533	.6350
6	-510	.149	-.2997	26.0490	.5363	.7169	61	-450	.511	5.5446	22.7008	.6516	.6090
7	-510	.179	-.3326	25.8654	.5319	.6926	62	-450	.541	5.6253	22.3135	.6802	.6438
8	-510	.209	.9499	25.6428	.5855	.6951	63	-450	.571	5.7650	21.7500	.5781	.6150
9	-510	.239	1.6731	25.3617	.5917	.7855	64	-450	.600	5.7788	21.1882	.6096	.6267
10	-510	.269	2.0177	25.2034	.6435	.7370	65	-420	.240	2.4180	26.9865	.5535	.7102
11	-510	.299	2.5445	24.8612	.6935	.7146	66	-420	.269	3.1722	26.6377	.5997	.6968
12	-510	.329	2.9715	24.5726	.5289	.8148	67	-420	.299	3.8163	26.1986	.6937	.6793
13	-510	.359	3.2413	24.1086	.6062	.7380	68	-420	.331	4.2136	25.6346	.6775	.6791
14	-510	.390	3.6081	23.9319	.5785	.6662	69	-420	.361	4.5183	25.0449	.6823	.6656
15	-510	.421	3.9859	23.3326	.5745	.6524	70	-420	.391	4.7986	24.6461	.5925	.7385
16	-510	.451	4.1064	23.1374	.6193	.6385	71	-420	.421	5.1507	24.2178	.6841	.7281
17	-510	.481	4.2999	22.7250	.5178	.6097	72	-420	.449	5.5593	23.8182	.6841	.7281
18	-510	.511	4.4768	22.3387	.5259	.7088	73	-420	.479	5.9171	23.3009	.6387	.6258
19	-510	.539	4.6764	22.0954	.5338	.5702	74	-420	.510	5.9928	22.9938	.5586	.6716
20	-510	.570	4.8200	21.6398	.5533	.6722	75	-420	.541	6.3118	22.2977	.6893	.5981
21	-510	.601	4.8645	21.1147	.5406	.6783	76	-420	.571	6.4190	21.9075	.5610	.5876
22	-480	.001	-4.2065	26.8704	.4744	.6657	77	-420	.601	6.3942	21.1801	.6659	.7149
23	-480	.031	-3.1647	26.8824	.5156	.6996	78	-390	.271	3.7140	27.1596	.6850	.8601
24	-480	.061	-2.3501	26.9365	.4778	.6370	79	-390	.301	4.2733	26.7866	.6467	.7774
25	-480	.089	-1.4997	26.9035	.4353	.7864	80	-390	.331	4.9117	26.1532	.6771	.7363
26	-480	.119	-.7284	26.8276	.4646	.6064	81	-390	.359	5.2961	25.5144	.7138	.7058
27	-480	.150	.0561	26.6144	.5199	.6106	82	-390	.389	5.5760	24.9082	.6397	.7631
28	-480	.181	.5537	26.5224	.4886	.7093	83	-390	.420	5.6545	24.4113	.6557	.7697
29	-480	.211	1.1094	26.2278	.5262	.5999	84	-390	.451	6.0494	24.3151	.6271	.7532
30	-480	.241	1.8812	25.7247	.5041	.7130	85	-390	.481	6.3945	23.7206	.6866	.7779
31	-480	.270	2.3510	25.7189	.4993	.5790	86	-390	.511	7.0312	23.3232	.7610	.6886
32	-480	.299	2.9786	25.2221	.5451	.6692	87	-390	.540	7.0889	22.6817	.7069	.6471
33	-480	.329	3.4187	24.9265	.6533	.6404	88	-390	.569	7.0920	21.8905	.6848	.6577
34	-480	.361	3.7460	24.5744	.6070	.6304	89	-390	.599	7.1447	21.2278	.6737	.5763
35	-480	.391	4.0828	24.1415	.7184	.7075	90	-390	.630	5.7477	26.5105	1.3224	1.4208
36	-480	.421	4.3768	23.6374	.5573	.7204	91	-360	.359	6.1183	25.5470	1.4166	1.2052
37	-480	.451	4.5443	23.3170	.6423	.6718	92	-360	.389	5.9989	24.9644	1.0416	1.0115
38	-480	.480	4.8787	22.9626	.7272	.7184	93	-360	.418	6.0332	24.7061	.8919	1.0591
39	-480	.509	4.9892	22.6011	.6699	.6049	94	-360	.449	6.4844	24.6396	.8131	.9067
40	-480	.539	5.1728	22.1131	.4617	.7026	95	-360	.481	7.1123	24.1415	.7680	.7137
41	-480	.571	5.3265	21.6141	.5779	.5958	96	-360	.511	7.6376	23.7238	.7292	.7316
42	-480	.601	5.2497	21.2929	.6366	.5697	97	-360	.541	7.9872	22.6720	.8140	.7744
43	-450	.001	-4.4597	27.7982	.5010	.7043	98	-360	.571	8.1325	21.8266	.7157	.7168
44	-450	.029	-3.3119	27.9638	.5224	.7000	99	-360	.600	8.0242	21.1039	.7674	.6414
45	-450	.059	-2.2210	27.7922	.5102	.7575	100	-360	.630	5.9094	26.4565	1.0801	1.2332
46	-450	.089	-1.4525	27.6800	.5367	.7518	101	-360	.361	6.0433	25.4951	1.0162	.9704
47	-450	.121	-.5441	27.3974	.5489	.6332	102	-360	.391	6.0228	24.9665	.9785	.9887
48	-450	.151	-.4701	27.4432	.5002	.6380	103	-360	.420	6.2143	24.4793	.8880	.9259
49	-450	.181	.2608	27.2021	.6066	.6954	104	-360	.449	6.3729	24.5454	.7560	.8896
50	-450	.210	.6971	26.9205	.5586	.7418	105	-360	.479	6.9606	24.1003	.7240	.8978
51	-450	.239	1.4942	26.8356	.5255	.6605	106	-360	.509	7.5947	23.4895	.6653	.8151
52	-450	.269	2.1319	26.3848	.5726	.7099	107	-360	.541	8.0649	22.8184	.9199	1.3202
53	-450	.299	2.7528	26.1080	.6737	.5681	108	-360	.571	7.9203	21.9402	.7778	.7719
54	-450	.300	3.1730	25.7278	.6003	.7133	109	-360	.601	8.0564	21.1127	.7467	.7068
55	-450	.331	3.7011	25.1232	.5823	.5953	110	-330	.361	6.8016	23.7396	3.0691	2.3056

TEST NUMBER 01070702 RUN NUMBER 3 X/D = .75

111	.391	Z	6.1171	M	24.0886	VS	1.6424	NO.	166	Y	-.179	Z	.539	V	18.1216	M	12.4645	VS	2.9441	MS	2.2106
112	.421	.451	5.7335	24.6772	1.7620	1.4409	167	-.179	.570	15.9142	12.0832	2.9441	2.2106								
113	.450	.480	6.8782	25.1543	1.3408	1.6577	168	-.179	.601	13.2762	12.4645	2.9441	2.2106								
114	.479	.509	7.6974	24.8457	1.1927	1.3463	169	-.149	.451	-1.9423	.2036	1.9073	1.6733								
115	.511	.541	8.6747	24.1436	.9354	.9768	170	-.149	.480	8.8440	2.8313	5.8940	4.6284								
116	.541	.571	9.2526	22.9966	.9535	.8396	171	-.149	.509	15.1191	5.5536	7.7011	4.2192								
117	.571	.601	9.0974	21.6322	.9221	.8450	172	-.149	.539	15.8058	2.5363	4.9667	2.8302								
118	.601	.630	8.8819	20.7648	.9168	.7443	173	-.149	.569	13.5556	8.8254	2.0347	1.5677								
119	.630	.660	2.5249	18.9444	7.5458	3.4431	174	-.149	.601	11.4953	1.3146	1.3930	1.5677								
120	.660	.690	5.2842	23.3010	3.8536	3.3040	175	-.119	.630	6.0183	5.1860	2.5519	1.5677								
121	.690	.720	7.7480	25.3761	2.5341	2.6262	176	-.119	.512	10.4737	1.2548	3.8680	1.7344								
122	.720	.750	8.6330	25.6807	1.7690	2.0335	177	-.119	.543	10.8670	3.6236	2.2311	1.5302								
123	.750	.780	10.6372	24.4899	1.4140	1.4044	178	-.119	.573	9.8548	6.2787	1.4838	1.4120								
124	.780	.810	10.9596	23.1445	1.2467	1.1802	179	-.119	.603	8.8099	7.6303	1.1956	1.4979								
125	.810	.840	11.0502	21.5864	1.1679	.8469	180	-.089	.541	4.2576	.3031	1.9768	1.3081								
126	.840	.870	10.2612	20.0936	.9357	.6254	181	-.089	.570	5.2353	1.5068	1.8018	1.3010								
127	.870	.900	9.4582	19.0418	.8585	.7082	182	-.089	.599	6.0149	3.6800	1.6237	1.2179								
128	.900	.930	2.2374	19.2846	7.8857	3.8140	183	-.089	.571	2.3370	2.6649	1.1920	.7656								
129	.930	.960	5.5560	23.5029	3.7772	3.2340	184	-.060	.601	3.1375	4.3608	1.1865	.8346								
130	.960	.990	7.8087	25.5865	2.2495	2.5188	185	-.030	.543	-1.011	2.3396	.9060	.7381								
131	.990	.020	8.8317	26.0526	1.8261	2.1954	186	-.030	.569	.5190	3.3503	1.0570	.7546								
132	.020	.050	10.5111	24.6229	1.3770	1.5973	187	-.030	.598	-2.0387	2.6797	1.0873	.7285								
133	.050	.080	11.2080	23.1348	1.0723	1.1826	188	0.000	.539	-2.0387	2.6797	.8528	.6122								
134	.080	.110	10.9345	21.4510	1.1787	.7211	189	0.000	.569	-1.8552	3.7563	.7786	.6256								
135	.110	.140	10.5054	20.2167	1.0380	.8237	190	0.000	.599	-1.4300	5.1179	.9483	.8111								
136	.140	.170	11.0463	21.8693	7.2562	5.0890	191	0.000	.541	-3.6547	2.7314	.6348	.8045								
137	.170	.200	7.3415	25.1735	4.3546	4.4662	192	0.000	.571	-3.6146	3.9863	.7949	.7666								
138	.200	.230	10.8660	25.4619	3.4770	3.5093	193	0.000	.601	-3.4183	5.3265	.9726	.8855								
139	.230	.260	12.9905	24.2819	1.7619	2.6228	194	0.000	.542	-5.9584	2.1693	.9094	1.3513								
140	.260	.290	13.4569	22.4948	1.3844	1.3984	195	0.000	.571	-6.2025	4.3943	.9868	.9614								
141	.290	.320	12.5912	20.5788	1.2936	.9487	196	0.000	.600	-5.4920	5.9467	.6604	.9165								
142	.320	.350	11.5554	19.1226	1.2008	.8865	197	0.000	.540	-9.5432	1.9237	1.2949	1.9501								
143	.350	.380	1.8410	22.0421	6.6372	5.5250	198	0.000	.569	-9.1322	4.4156	1.2992	1.3367								
144	.380	.410	7.8113	24.7950	4.1000	4.6066	199	0.000	.598	-8.3002	6.1135	1.2970	1.0903								
145	.410	.440	10.7420	25.9302	2.6192	3.0884	200	0.000	.540	-14.3416	4.0180	1.6943	2.8738								
146	.440	.470	13.1216	24.5817	1.9322	2.0358	201	0.000	.571	-12.6635	6.2430	1.5933	1.4954								
147	.470	.500	13.1009	22.5766	1.4659	1.4844	202	0.000	.601	-11.0522	7.8758	1.5581	.9852								
148	.500	.530	12.6017	20.4738	1.3140	1.0741	203	0.000	.541	-18.2707	8.9590	1.5862	2.2867								
149	.530	.560	11.4432	19.1378	1.1338	.8533	204	0.000	.570	-15.8652	9.8333	1.7532	1.5424								
150	.560	.590	10.3450	25.6915	5.1172	5.1903	205	0.000	.601	-13.1260	10.3433	1.7704	1.2807								
151	.590	.620	14.7650	24.6603	3.3991	3.2746	206	0.000	.512	-19.7546	14.7746	3.2524	4.1824								
152	.620	.650	16.5891	22.8242	2.3469	2.6035	207	0.000	.541	-19.9419	14.6757	1.7949	2.2469								
153	.650	.680	15.7038	20.7908	1.4926	1.7528	208	0.000	.570	-17.4439	13.5557	1.6365	1.5483								
154	.680	.710	14.6001	19.2089	1.5842	1.6639	209	0.000	.600	-14.6444	13.3145	1.6347	1.3569								
155	.710	.740	12.5692	17.4085	1.2966	1.0508	210	0.000	.629	-11.6444	13.2268	1.1489	1.0819								
156	.740	.770	11.1757	16.8193	1.1793	.9276	211	0.000	.601	-14.2996	21.9930	4.4538	5.3543								
157	.770	.800	13.1748	23.4417	5.8159	5.5187	212	0.000	.510	-19.0466	21.0317	2.7179	2.8607								
158	.800	.830	17.4130	22.0701	3.9071	3.6731	213	0.000	.539	-18.5998	18.9926	2.2483	2.1872								
159	.830	.860	18.9763	20.4126	3.4016	3.5557	214	0.000	.569	-16.6143	17.1618	1.5509	1.6940								
160	.860	.890	17.9514	17.9616	2.3066	1.6670	215	0.000	.600	-14.0496	15.9889	1.1164	1.4458								
161	.890	.920	15.9830	16.8334	1.8484	1.8537	216	0.000	.601	-11.8050	23.5316	4.0595	4.7240								
162	.920	.950	13.5828	15.3412	1.2202	1.1830	217	0.000	.511	-15.6511	23.2854	2.2180	1.7364								
163	.950	.980	4.1382	9.3985	11.5655	5.9125	218	0.000	.542	-15.8175	21.5032	1.5988	1.7026								
164	.980	.010	17.1764	13.9225	6.2922	4.0678	219	0.000	.571	-14.7548	19.7634	1.1734	1.5638								
165	.010	.040	18.0160	12.5606	5.1544	3.7440	220	0.000	.601	-13.3525	18.2902	.9058	1.6210								

TEST NUMBER 81070702 RUN NUMBER 3 X/D = .75

221	270	.451	-4.5114	21.5583	4.4933	7.8467	276	.450	.050	2.9269	28.6725	.5703	.7476
222	.480	.480	-10.8359	24.5132	2.2026	1.8871	277	.450	.030	3.8477	28.9708	.8450	.8473
223	.270	.511	-12.2785	24.1262	1.5569	1.4693	278	.450	.060	2.8364	28.8519	.8912	.8801
224	.270	.541	-12.4895	22.8961	1.6342	1.3216	279	.450	.092	1.4717	28.6392	.5349	.5381
225	.270	.572	-12.5485	20.9400	.7129	1.3801	280	.450	.123	.4901	28.3295	.4916	.4782
226	.270	.601	-11.3516	19.2626	.6613	1.1291	281	.450	.153	-2.750	28.0198	.4547	.4238
227	.300	.422	-7.5559	23.1694	2.1441	3.5973	282	.450	.183	-1.6636	27.7390	.5612	.8068
228	.300	.451	-8.1958	23.8656	1.7258	2.1559	283	.450	.211	-1.6830	27.5632	.4995	.8627
229	.300	.481	-8.4864	24.7054	1.5319	1.5935	284	.450	.241	-2.3704	27.1835	.5243	.6266
230	.300	.510	-9.8659	23.9938	1.2599	1.2553	285	.450	.271	-2.9206	26.8139	.4966	.5504
231	.300	.541	-10.4674	22.7479	1.0195	1.0337	286	.450	.303	-3.5117	26.3766	.5102	.5182
232	.300	.571	-10.4402	21.3064	.6537	.9624	287	.450	.333	-4.0865	25.8786	.5099	.8082
233	.300	.601	-10.3997	20.2799	.6368	.8556	288	.450	.363	-4.5536	25.3114	.4376	.8651
234	.330	.391	-8.1076	25.5609	1.0998	1.1079	289	.450	.392	-4.9144	24.7717	.4219	.8303
235	.330	.420	-7.9613	24.8888	1.0151	1.3098	290	.450	.419	-5.1907	24.1817	.4651	.8777
236	.330	.451	-7.9810	24.4337	.8586	1.0667	291	.450	.449	-5.4917	23.9849	.4258	.5878
237	.330	.481	-8.2393	24.0411	.8041	.8629	292	.450	.480	-5.5018	23.2129	.4397	.8648
238	.330	.512	-8.8269	23.4157	.6582	.7740	293	.450	.511	-5.8202	22.8293	.4754	.8001
239	.330	.541	-9.0943	22.6248	.6229	.8764	294	.450	.541	-5.8648	22.2072	.4566	.8385
240	.330	.571	-9.2728	21.6466	.4883	.7702	295	.450	.571	-5.8745	21.6610	.4456	.8183
241	.330	.600	-8.8846	20.3958	.4338	.9299	296	.450	.600	-5.8427	21.1700	.5767	.6961
242	.360	.361	-6.7802	26.6531	.6022	.7848	297	.480	.001	4.7746	27.7657	.6531	.5660
243	.360	.390	-7.1880	25.7584	.6682	.8216	298	.480	.031	3.6572	27.9044	.5881	.5915
244	.360	.421	-7.3371	24.9599	.5287	.7920	299	.480	.059	2.6142	27.9131	.5201	.8181
245	.360	.451	-7.4471	24.2797	.5000	.6183	300	.480	.089	1.6701	27.7913	.5812	.5766
246	.360	.481	-7.6309	23.7075	.5316	.6706	301	.480	.119	.9228	27.6519	.4755	.5248
247	.360	.511	-7.8410	23.0523	.5597	.7403	302	.480	.150	.1987	27.4575	.5531	.5374
248	.360	.541	-8.1130	22.2943	.6111	.6473	303	.480	.181	-1.6104	26.9790	.4688	.5966
249	.360	.571	-8.0092	21.5341	.5520	.7707	304	.480	.211	-1.3293	26.9447	.5698	.4956
250	.360	.600	-7.9146	20.6889	.5202	.7677	305	.480	.241	-1.9591	26.5773	.5118	.6035
251	.390	.301	-4.6096	27.4988	.5809	.7428	306	.480	.269	-2.4226	26.1665	.4951	.5299
252	.390	.330	-5.2911	26.8295	.5381	.7667	307	.480	.299	-3.0236	25.8000	.4669	.5907
253	.390	.361	-5.8945	26.0183	.5107	.6440	308	.480	.329	-3.4301	25.3932	.4838	.5113
254	.390	.391	-6.3944	25.5194	.4662	.6211	309	.480	.361	-3.9382	24.9447	.5036	.8457
255	.390	.421	-6.6371	24.8000	.5001	.7267	310	.480	.391	-4.3669	24.4609	.4858	.8884
256	.390	.451	-6.7340	23.9996	.4979	.7307	311	.480	.421	-4.5691	23.9627	.4285	.5700
257	.390	.481	-6.9558	23.5432	.4355	.7520	312	.480	.450	-4.8645	23.4342	.4473	.6234
258	.390	.510	-7.1758	22.9369	.4490	.7347	313	.480	.479	-5.1192	23.0565	.5490	.5449
259	.390	.541	-7.0950	22.2692	.5109	.6295	314	.480	.509	-5.0879	22.5054	.4298	.8341
260	.390	.571	-7.2994	21.5772	.5175	.6138	315	.480	.540	-5.2595	22.0698	.5028	.5660
261	.390	.601	-7.2729	20.9784	.4195	.6019	316	.480	.571	-5.3250	21.5986	.4934	.6345
262	.420	.241	-2.6049	27.7952	.5911	.6536	317	.480	.601	-5.3920	21.0988	.4934	.6345
263	.420	.269	-3.2617	27.5039	.4703	.6454	318	.510	.000	4.3877	26.7660	.6045	.5456
264	.420	.301	-3.9925	26.8905	.5289	.5231	319	.510	.030	3.5258	26.9348	.5257	.5592
265	.420	.331	-4.6641	26.4114	.5239	.5592	320	.510	.061	2.6140	26.9767	.5392	.5865
266	.420	.362	-5.1911	25.8080	.4038	.5788	321	.510	.091	1.7645	27.0046	.8414	.5451
267	.420	.392	-5.5199	25.1629	.4417	.6909	322	.510	.120	1.1027	27.0262	.5690	.5573
268	.420	.421	-5.8741	24.5620	.5139	.6933	323	.510	.149	.3176	26.7528	.5180	.5905
269	.420	.451	-6.0577	24.0138	.4583	.6459	324	.510	.179	-3.3223	26.5827	.4961	.6126
270	.420	.480	-6.3358	23.4023	.5187	.7372	325	.510	.209	-3.8906	26.2904	.4909	.8446
271	.420	.511	-6.4907	22.8678	.4641	.6735	326	.510	.240	-1.4187	26.1254	.5017	.5816
272	.420	.541	-6.5914	22.2248	.4184	.6638	327	.510	.271	-2.1766	25.8495	.4595	.5520
273	.420	.572	-6.4438	21.5328	.4361	.6829	328	.510	.301	-2.6365	25.4385	.5500	.5376
274	.420	.601	-6.4187	21.0195	.4928	.6942	329	.510	.330	-2.9785	25.0785	.4591	.5677
275	.450	.003	-4.9589	28.8466	.6961	.6533	330	.510	.359	-3.5066	24.6734	.4286	.5902
331	.510	.389	-3.7835	24.1583	.5327	.5546	335	.510	.510	-4.7517	22.5627	.4819	.5890
332	.510	.420	-4.0168	23.7655	.4324	.5993	336	.510	.539	-4.8782	21.9770	.4600	.8395
333	.510	.451	-4.3494	23.2774	.4332	.7121	337	.510	.569	-4.8747	21.6119	.5259	.5670
334	.510	.481	-4.5765	22.9282	.4695	.5938	338	.510	.599	-4.8299	21.1850	.4514	.5989

TEST NUMBER	01070701	RUN NUMBER	4	K/D	1.30
NO.	1	2	3	4	5
NO.	1	2	3	4	5
Y	-899	-899	-899	-899	-899
Z	0.000	0.052	0.102	0.150	0.201
V	-3.8231	-2.9478	-2.2742	-1.5870	-0.8854
W	25.0865	25.3114	25.3745	25.3773	25.2932
VS	.4966	.4993	.6094	.6275	.5884
US	.7423	.6035	.7563	.6439	.6870
NO.	56	57	58	59	60
Y	-799	-799	-750	-750	-750
Z	.851	.900	.202	.252	.302
V	5.7150	6.0165	27.1415	2006	7.446
W	22.9710	22.5485	27.1415	26.9307	26.8116
VS	.6561	.5241	.6275	.7312	.5082
US	.6946	.7480	.6275	.7312	.5082
NO.	61	62	63	64	65
Y	-750	-750	-750	-750	-750
Z	.350	.402	.452	.501	.550
V	1.5256	2.1115	2.7585	3.1230	3.6116
W	26.2957	26.0112	25.8104	25.5723	25.2897
VS	.6397	.6644	.6757	.7403	.8834
US	.6644	.6757	.7403	.8834	.6688
NO.	66	67	68	69	70
Y	-750	-750	-750	-750	-750
Z	.652	.750	.750	.750	.750
V	4.8065	5.2492	5.5930	5.8888	6.2238
W	24.8096	24.3178	23.9161	23.6420	23.2898
VS	.6688	.6310	.4976	.6724	.6406
US	.6688	.6310	.4976	.6724	.6406
NO.	71	72	73	74	75
Y	-750	-750	-750	-750	-750
Z	.852	.901	.902	.902	.902
V	6.2238	6.5356	6.7606	6.7606	6.7606
W	23.2898	22.8671	22.7143	22.5767	22.4374
VS	.6406	.5431	.8004	.8230	.9063
US	.6406	.5431	.8004	.8230	.9063
NO.	76	77	78	79	80
Y	-699	-699	-699	-699	-699
Z	.551	.602	.653	.702	.751
V	4.1445	4.8749	5.4930	5.8487	6.0013
W	25.7392	25.7463	25.3886	24.5405	24.1149
VS	.8756	.9175	.9084	.8388	.7500
US	.8756	.9175	.9084	.8388	.7500
NO.	81	82	83	84	85
Y	-699	-699	-699	-699	-699
Z	.802	.853	.902	.902	.902
V	6.3494	6.7606	7.1352	7.4475	7.7091
W	23.7807	23.5767	23.1479	22.2197	21.9853
VS	.7531	.6572	.6581	.6581	.6581
US	.7531	.6572	.6581	.6581	.6581
NO.	86	87	88	89	90
Y	-650	-650	-650	-650	-650
Z	.551	.600	.650	.701	.751
V	3.0380	3.8922	4.5450	5.0450	5.4540
W	20.2034	24.2197	24.9853	24.5168	24.0728
VS	.7500	.8371	.8371	.8371	.8371
US	.7500	.8371	.8371	.8371	.8371
NO.	91	92	93	94	95
Y	-650	-650	-650	-650	-650
Z	.850	.901	.901	.901	.901
V	7.0941	7.7189	8.3505	8.9499	9.4499
W	23.9113	23.5771	23.5771	23.5771	23.5771
VS	.9389	.7464	.7464	.7464	.7464
US	.9389	.7464	.7464	.7464	.7464
NO.	96	97	98	99	100
Y	-600	-600	-600	-600	-600
Z	.700	.751	.800	.850	.900
V	5.3118	6.3410	7.2071	8.3763	9.4499
W	19.4863	22.2595	23.6901	24.1937	24.1937
VS	.6530	.6530	.6530	.6530	.6530
US	.6530	.6530	.6530	.6530	.6530
NO.	101	102	103	104	105
Y	-550	-550	-550	-550	-550
Z	.651	.700	.759	.800	.851
V	-2.2543	6.1177	6.1177	6.1177	6.1177
W	8.1558	13.0074	13.0074	13.0074	13.0074
VS	.85252	.85252	.85252	.85252	.85252
US	.85252	.85252	.85252	.85252	.85252
NO.	106	107	108	109	110
Y	-550	-550	-550	-550	-550
Z	.649	.649	.649	.649	.649
V	9.1637	9.1637	9.1637	9.1637	9.1637
W	24.0437	24.0437	24.0437	24.0437	24.0437
VS	.31684	.31684	.31684	.31684	.31684
US	.31684	.31684	.31684	.31684	.31684
NO.	111	112	113	114	115
Y	-500	-500	-500	-500	-500
Z	.751	.751	.751	.751	.751
V	-11.1168	-11.1168	-11.1168	-11.1168	-11.1168
W	-8.504	-8.504	-8.504	-8.504	-8.504
VS	.35305	.35305	.35305	.35305	.35305
US	.35305	.35305	.35305	.35305	.35305
NO.	116	117	118	119	120
Y	-500	-500	-500	-500	-500
Z	.800	.800	.800	.800	.800
V	-2.7747	-2.7747	-2.7747	-2.7747	-2.7747
W	16.1453	16.1453	16.1453	16.1453	16.1453
VS	.53282	.53282	.53282	.53282	.53282
US	.53282	.53282	.53282	.53282	.53282

TEST NUMBER 81070701 RUN NUMBER 4 X/D = 1.30

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
111	-500	.849	2.2621	19.3205	5.4641	6.0204	166	.450	.851	-4.3027	22.6108	6.1660	5.2993
112	-500	.900	7.4629	22.3912	4.9710	4.7187	167	.450	.900	-10.8472	22.8041	4.9730	4.0804
113	-450	.700	-16.7011	5.7921	1.8921	3.0123	168	.500	.050	7.6446	-2.4704	5.3180	4.8423
114	-450	.750	-14.9875	10.5619	2.7188	3.1598	169	.500	.701	10.9068	4.7704	5.0281	4.7597
115	-450	.800	-9.7530	16.3505	4.1157	3.9153	170	.500	.752	5.9077	11.7797	5.2736	5.8318
116	-450	.849	-3.577	21.0018	4.9724	5.4201	171	.500	.801	-7.424	18.3166	5.6056	6.0153
117	-450	.900	6.5831	23.2289	4.9416	5.4444	172	.500	.850	-5.6637	21.1156	4.5896	5.1417
118	-400	.750	-20.5891	9.3851	2.4243	2.0870	173	.500	.901	-9.9530	22.4197	3.5044	3.9495
119	-400	.803	-17.2406	14.2541	3.7552	3.6651	174	.550	.051	4.8776	.9919	4.6591	9.5480
120	-400	.854	-6.0873	20.7759	5.4101	5.4043	175	.550	.702	1.8999	8.7434	4.3745	8.0656
121	-400	.903	8.6091	21.7155	4.9903	5.0123	176	.550	.751	-3.6176	15.7186	4.0687	8.3592
122	-350	.799	-22.4447	7.7177	3.2584	3.7053	177	.550	.800	-6.5453	28.8230	2.6933	4.9261
123	-350	.849	-16.9622	11.0025	7.5401	4.8682	178	.550	.851	-7.7449	22.8939	1.9897	3.1142
124	-350	.899	11.3257	17.3775	4.6470	6.2228	179	.550	.902	-9.6870	23.1616	1.6201	2.620
125	-300	.799	-22.6463	1.3848	2.7467	3.0108	180	.599	.551	6.9852	4.6855	3.962	5.1216
126	-300	.850	-16.3423	-1.6781	3.3601	6.1613	181	.599	.600	-6.290	9.8241	3.9922	7.3911
127	-300	.901	5.5836	1.0429	7.8130	4.8987	182	.599	.652	-6.3330	18.5736	3.7905	6.4783
128	-250	.801	-19.4342	-2.8424	2.5546	3.0123	183	.599	.702	-7.9476	21.2590	2.5733	4.1819
129	-250	.851	-12.1471	-4.6798	3.5252	4.2774	184	.599	.751	-8.1118	22.6279	1.6901	2.4844
130	-250	.900	-5.5576	-4.2370	6.1577	4.9633	185	.600	.800	-8.0854	22.9210	1.3105	1.5645
131	-200	.850	-10.9777	-5.7533	2.6848	3.1352	186	.600	.852	-8.2810	23.3101	1.2438	1.3831
132	-200	.901	-2.0789	-5.6856	4.3370	3.4095	187	.600	.902	-6.9866	28.6765	.9055	5.0897
133	-150	.851	-8.0979	-5.4708	1.9096	2.5060	188	.650	.501	3.3237	7.9838	3.1512	5.1671
134	-150	.901	-2.8220	-5.8697	2.8291	2.8033	189	.650	.550	-3.2635	19.8220	2.9333	6.0105
135	-100	.850	-5.8353	-2.7281	.9364	1.5976	190	.650	.601	-7.4410	25.8293	1.9725	2.3262
136	-100	.901	-2.4919	-3.6773	1.4585	1.5007	191	.650	.652	-7.7492	25.5738	1.4666	1.5734
137	-050	.851	-3.8218	-1.7087	.7517	.9104	192	.650	.701	-8.1446	24.5249	1.1381	1.2284
138	-050	.902	-1.9932	-1.7362	.8013	.8518	193	.650	.750	-8.0529	23.8250	.8893	.8979
139	0.000	.851	-2.0970	.11921	.7024	.7531	194	.650	.801	-7.7940	23.1662	.6902	.8514
140	0.000	.900	-1.7132	-.6977	.5851	.6145	195	.650	.852	-7.7265	22.8288	.8195	.7128
141	0.050	.850	-.5544	-.1258	.7541	.7048	196	.650	.901	-8.3078	22.3849	.6871	.7066
142	0.050	.901	-1.4098	-.9560	.6056	.6519	197	.700	.401	-2.5441	25.5937	2.2719	4.9207
143	0.100	.850	.7549	-1.6110	1.1799	.9821	198	.700	.450	-4.0573	27.1901	.7410	1.0961
144	0.100	.900	-1.2742	-2.1569	.9473	1.2103	199	.700	.501	-4.4743	26.9765	.8842	.9828
145	0.150	.852	1.5711	-4.3636	2.2407	2.0678	200	.700	.552	-5.3182	26.6447	.8355	.9685
146	0.150	.900	-2.3083	-4.6640	1.8194	2.4669	201	.700	.601	-6.0797	26.1067	.7649	.7955
147	0.200	.850	3.4977	-6.0881	3.1278	2.8722	202	.700	.650	-6.5946	25.3298	.6291	.6520
148	0.200	.901	-4.6297	-4.7657	2.9766	4.2959	203	.700	.701	-7.0725	24.4216	.5945	.7280
149	0.250	.801	13.6542	-2.9249	3.9014	3.3553	204	.700	.752	-7.2191	23.6834	.5217	.6168
150	0.250	.852	-4.6706	-5.4072	4.9123	4.7587	205	.700	.801	-7.2950	23.0170	.5222	.6412
151	0.250	.901	-6.6823	-2.9053	3.8857	5.5436	206	.700	.850	-7.3822	22.7261	.5005	.6132
152	0.300	.800	16.8656	-1.0513	5.1364	3.2601	207	.700	.901	-7.6366	22.1470	.4344	.6486
153	0.300	.851	3.5407	-1.7147	6.3966	7.4862	208	.750	.252	-6.901	28.0277	.5888	.7594
154	0.300	.902	-13.2012	3.1216	4.2065	5.4866	209	.750	.302	-1.2973	27.6794	.5262	.6739
155	0.350	.750	23.7376	6.4421	3.5971	2.1311	210	.750	.350	-1.9496	27.4617	.5016	.6611
156	0.350	.801	20.2390	8.4887	4.3472	3.7499	211	.750	.401	-2.7344	27.0691	.4693	.6020
157	0.350	.852	.3336	12.3738	9.5334	9.5290	212	.750	.452	-3.3930	26.5892	.5821	.7221
158	0.350	.900	-17.2935	13.7821	4.4745	5.3701	213	.750	.502	-4.0784	26.5354	.5178	.5149
159	0.400	.751	20.8354	11.2171	3.1338	2.6745	214	.750	.550	-4.6685	26.0363	.5701	.7119
160	0.400	.800	15.0889	16.1463	4.7489	4.1749	215	.750	.600	-5.3396	25.5043	.6014	.6614
161	0.400	.851	-1.8847	22.2338	5.9007	6.1063	216	.750	.652	-6.0030	24.9812	.5304	.7784
162	0.400	.902	-13.6699	21.0346	5.3495	4.8465	217	.750	.702	-6.3416	24.2888	.5561	.6813
163	0.450	.700	17.6542	7.8869	3.5909	3.0095	218	.750	.750	-6.5026	23.6076	.5259	.7769
164	0.450	.751	14.8793	13.4987	3.6832	2.8754	219	.750	.801	-6.6097	22.9235	.4883	.7342
165	0.450	.802	6.0411	19.5706	4.8005	5.9737	220	.750	.852	-6.8637	22.6118	.4867	.6474



TEST NUMBER 81070701 RUN NUMBER 4 X/D = 1.30

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
221	.750	.902	-6.9741	21.9476	.5066	.7631	276	.900	.800	-4.9273	22.4745	.4535	.4205
222	.800	.802	4.2107	28.4048	.6579	.6818	277	.900	.852	-5.1141	22.0438	.4437	.4068
223	.800	.052	3.0004	28.2751	.5752	.6106	278	.900	.902	-5.3466	21.7254	.4959	.5743
224	.800	.100	1.9858	28.1014	.6232	.5842	279	.900	.900	5.0118	22.0542	.4941	.4745
225	.800	.150	1.0761	27.7966	.6193	.5804	280	.900	.900	4.9980	22.1776	.4654	.4876
226	.800	.202	.3339	27.6789	.5524	.6250	281	.900	.900	5.3839	21.4194	.4901	.5341
227	.800	.252	-3.3537	27.3356	.4859	.6332	282	.900	.900	5.4860	20.6377	.4469	.5846
228	.800	.300	-1.0051	27.1550	.5180	.5116	283	.900	.900	5.6173	19.7775	.5098	.5559
229	.800	.351	-1.7770	26.8697	.5842	.5808	284	.900	.900	5.3918	19.1049	.5144	.5250
230	.800	.402	-2.5066	26.6967	.4869	.6742	285	.900	.900	5.2355	18.5157	.5442	.5442
231	.800	.452	-3.1487	26.3205	.5453	.6816	286	.900	.900	4.7945	18.0540	.4864	.5480
232	.800	.500	-3.6729	25.9381	.5060	.6060	287	.900	.900	4.4204	17.7176	.4948	.4375
233	.800	.551	-4.2443	25.4013	.5394	.6572	288	.900	.900	3.9573	17.3458	.4524	.5915
234	.800	.602	-4.7084	24.9572	.5185	.7104	289	.900	.901	5.9213	22.5688	.5623	.5049
235	.800	.652	-5.1349	24.5001	.5288	.7036	290	.900	.900	6.4895	21.7808	.5163	.5598
236	.800	.700	-5.4358	23.9569	.4918	.7196	291	.900	.900	6.9907	20.7507	.5372	.4711
237	.800	.751	-5.7430	23.4171	.4968	.6376	292	.900	.900	6.5529	19.8579	.5426	.4858
238	.800	.802	-5.9419	22.8587	.4875	.6104	293	.900	.900	6.2507	18.8573	.5700	.4652
239	.800	.852	-6.3549	22.3310	.4066	.6080	294	.900	.900	5.7169	18.1527	.5022	.4612
240	.800	.900	-6.2765	21.8787	.4775	.5764	295	.900	.900	5.3369	17.6602	.4143	.5281
241	.850	.001	4.1543	27.2838	.5192	.5997	296	.900	.900	4.7124	17.2697	.4699	.4969
242	.850	.050	3.1842	27.2837	.6299	.6633	297	.900	.900	4.1660	16.9036	.5041	.4084
243	.850	.101	2.1002	27.3476	.5779	.6223	298	.900	.902	7.0375	23.2545	.5743	.6102
244	.850	.152	1.3381	27.0977	.5724	.6215	299	.900	.900	7.9092	22.1909	.5264	.6262
245	.850	.201	.5302	26.8622	.5187	.6871	300	.900	.902	8.1692	20.6896	.5495	.5014
246	.850	.250	-.0948	26.7872	.4499	.6374	301	.900	.900	7.8258	19.4149	.4899	.5380
247	.850	.302	-.7795	26.4828	.4864	.6452	302	.900	.900	7.1367	18.2830	.4639	.5782
248	.850	.352	-1.4570	26.2654	.5677	.6827	303	.900	.900	6.7455	17.4585	.4869	.4607
249	.850	.401	-2.0044	26.0552	.4667	.6094	304	.900	.900	5.6118	17.0599	.4233	.5150
250	.850	.450	-2.6024	25.7212	.4775	.7242	305	.900	.900	5.0372	16.6591	.5192	.5690
251	.850	.502	-3.0680	25.3281	.5297	.6207	306	.900	.900	4.4502	16.4791	.5078	.5394
252	.850	.552	-3.5845	24.8944	.5799	.6919	307	.900	.902	8.6712	24.2760	.9454	1.1164
253	.850	.601	-4.0839	24.5710	.5445	.5927	308	.900	.900	10.6669	22.6731	.7118	.7598
254	.850	.650	-4.7282	24.1137	.4931	.6205	309	.900	.900	10.4423	20.4594	.7277	.6098
255	.850	.702	-5.4918	23.6330	.5176	.6418	310	.900	.900	9.3340	18.5905	.5515	.5209
256	.850	.752	-5.2491	23.1389	.5118	.5929	311	.900	.900	8.1027	17.3984	.5568	.5166
257	.850	.801	-5.4036	22.6461	.4238	.5798	312	.900	.900	7.0426	16.4478	.5634	.5334
258	.850	.850	-5.6484	22.1843	.4202	.5989	313	.900	.900	5.9526	16.2338	.0000	.0000
259	.850	.901	-5.7828	21.7749	.4943	.5802	314	.900	.900	5.0465	16.0660	.0000	.0000
260	.900	.000	3.9962	26.3195	.5813	.5541	315	.900	.900	4.4057	15.8953	.0000	.0000
261	.900	.052	2.9108	26.4665	.5313	.6482	316	.900	.900	7.5275	22.4507	.0000	.0000
262	.900	.102	2.2330	26.5960	.6035	.5531	317	.900	.900	13.1975	23.0656	.0000	.0000
263	.900	.151	1.5483	26.4927	.5954	.6503	318	.900	.900	13.2639	19.4748	.0000	.0000
264	.900	.200	.7866	26.3383	.6488	.5798	319	.900	.900	11.0614	17.1544	.0000	.0000
265	.900	.252	-.0155	26.0576	.5668	.5632	320	.900	.900	9.0725	16.0514	.0000	.0000
266	.900	.302	-.5294	26.0432	.4768	.6474	321	.900	.900	7.4077	15.5212	.0000	.0000
267	.900	.352	-1.2265	25.7689	.5605	.6318	322	.900	.900	6.0494	15.2120	.0000	.0000
268	.900	.400	-1.7435	25.6534	.4801	.6762	323	.900	.900	5.2252	15.1719	.0000	.0000
269	.900	.452	-2.3380	25.2176	.4512	.6277	324	.900	.900	4.2759	15.3240	.0000	.0000
270	.900	.502	-2.7807	24.8462	.5360	.6236	325	.900	.901	6.6275	22.4840	.0000	.0000
271	.900	.551	-3.2767	24.5319	.5714	.6100	326	.900	.999	15.8149	19.0079	.0000	.0000
272	.900	.600	-3.7086	24.1150	.4678	.6230	327	.900	.900	16.4463	16.1622	.0000	.0000
273	.900	.652	-4.1444	23.6596	.4355	.5319	328	.900	.900	12.3958	14.3988	.0000	.0000
274	.900	.702	-4.4360	23.5559	.5164	.7102	329	.900	.900	9.3790	13.9644	.0000	.0000
275	.900	.752	-4.7365	22.8629	.5295	.6171	330	.900	.900	7.1412	13.0875	.0000	.0000

TEST NUMBER 81070701 RUN NUMBER 4 X/D = 1.30

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
331	-400	1.501	5.6883	14.2885	0.0000	0.0000	386	-200	1.601	-1.7107	12.6921	0.0000	0.0000
332	-400	1.599	4.7906	14.3514	0.0000	0.0000	387	-200	1.701	-1.3285	13.2686	0.0000	0.0000
333	-400	1.700	3.8496	14.7066	0.0000	0.0000	388	-300	.901	-11.0694	1.1794	0.0000	0.0000
334	-300	.900	6.4835	2.3039	0.0000	0.0000	389	-300	1.001	-16.9964	7.3213	0.0000	0.0000
335	-300	.999	15.7452	8.9647	0.0000	0.0000	390	-300	1.101	-13.1724	8.7199	0.0000	0.0000
336	-300	1.100	14.7897	9.6416	0.0000	0.0000	391	-300	1.201	-9.0677	10.1649	0.0000	0.0000
337	-300	1.200	11.6082	10.4941	0.0000	0.0000	392	-300	1.301	-6.3263	11.1545	0.0000	0.0000
338	-300	1.300	8.4283	11.5215	0.0000	0.0000	393	-300	1.401	-4.7349	12.0467	0.0000	0.0000
339	-300	1.400	6.3230	12.3910	0.0000	0.0000	394	-300	1.501	-3.5523	12.7279	0.0000	0.0000
340	-300	1.500	5.0515	12.9361	0.0000	0.0000	395	-300	1.601	-2.6460	13.3467	0.0000	0.0000
341	-300	1.600	4.1542	13.5715	0.0000	0.0000	396	-300	1.701	-1.8648	13.7682	0.0000	0.0000
342	-300	1.700	3.3882	13.9457	0.0000	0.0000	397	-400	.901	-14.4762	20.5682	0.0000	0.0000
343	-200	.900	-2.5232	-6.0159	0.0000	0.0000	398	-400	1.000	-17.4604	16.6557	0.0000	0.0000
344	-200	1.000	10.1772	-1.2204	0.0000	0.0000	399	-400	1.101	-14.0334	14.0800	0.0000	0.0000
345	-200	1.100	11.3832	3.6621	0.0000	0.0000	400	-400	1.200	-10.0069	13.1879	0.0000	0.0000
346	-200	1.200	8.5481	7.2120	0.0000	0.0000	401	-400	1.301	-7.3468	13.1331	0.0000	0.0000
347	-200	1.300	6.3399	9.4887	0.0000	0.0000	402	-400	1.400	-5.6816	13.3884	0.0000	0.0000
348	-200	1.400	4.9309	11.0176	0.0000	0.0000	403	-400	1.501	-4.3489	13.6242	0.0000	0.0000
349	-200	1.500	3.8897	12.1648	0.0000	0.0000	404	-400	1.600	-3.2846	14.0753	0.0000	0.0000
350	-200	1.600	3.1246	12.7831	0.0000	0.0000	405	-400	1.701	-2.7433	14.2878	0.0000	0.0000
351	-200	1.699	2.5371	13.4615	0.0000	0.0000	406	-500	.902	-9.7470	22.0113	0.0000	0.0000
352	-100	.900	-2.4704	-4.1564	0.0000	0.0000	407	-500	1.000	-13.3442	20.9489	0.0000	0.0000
353	-100	1.000	3.3968	-1.6435	0.0000	0.0000	408	-500	1.102	-11.6899	17.4204	0.0000	0.0000
354	-100	1.100	4.6967	2.4241	0.0000	0.0000	409	-500	1.200	-9.5204	15.9251	0.0000	0.0000
355	-100	1.200	4.2640	5.9241	0.0000	0.0000	410	-500	1.302	-7.5337	15.0440	0.0000	0.0000
356	-100	1.300	3.6109	8.3905	0.0000	0.0000	411	-500	1.400	-5.9256	14.7517	0.0000	0.0000
357	-100	1.400	2.9475	10.0826	0.0000	0.0000	412	-500	1.502	-4.7518	14.8021	0.0000	0.0000
358	-100	1.500	2.3467	11.5823	0.0000	0.0000	413	-500	1.600	-3.7748	14.7777	0.0000	0.0000
359	-100	1.600	2.0254	12.4133	0.0000	0.0000	414	-500	1.701	-3.0525	14.9518	0.0000	0.0000
360	-100	1.699	1.6935	13.1585	0.0000	0.0000	415	-600	.901	-1.8632	15.8484	0.0000	0.0000
361	0.000	.998	-1.6024	-7.504	0.0000	0.0000	416	-600	1.000	-9.7161	20.8162	0.0000	0.0000
362	0.000	.998	-1.5794	1.1994	0.0000	0.0000	417	-600	1.101	-9.5168	18.9376	0.0000	0.0000
363	0.000	1.100	.2172	2.8470	0.0000	0.0000	418	-600	1.200	-8.3244	17.3864	0.0000	0.0000
364	0.000	1.199	.5586	5.7211	0.0000	0.0000	419	-600	1.301	-7.0577	16.4207	0.0000	0.0000
365	0.000	1.300	.7425	8.0026	0.0000	0.0000	420	-600	1.401	-5.7176	15.8225	0.0000	0.0000
366	0.000	1.399	.7416	9.8212	0.0000	0.0000	421	-600	1.501	-4.8334	15.5661	0.0000	0.0000
367	0.000	1.500	.7856	11.2868	0.0000	0.0000	422	-600	1.601	-4.0059	15.5328	0.0000	0.0000
368	0.000	1.599	.7088	12.1766	0.0000	0.0000	423	-600	1.701	-3.3825	15.5435	0.0000	0.0000
369	0.000	1.700	.6534	13.0066	0.0000	0.0000	424	-700	.901	-7.6156	22.0524	0.0000	0.0000
370	-100	.899	-1.3079	-2.0004	0.0000	0.0000	425	-700	1.000	-7.9683	21.0076	0.0000	0.0000
371	-100	1.001	-3.8358	.0774	0.0000	0.0000	426	-700	1.101	-7.6709	19.3673	0.0000	0.0000
372	-100	1.100	-3.7804	3.3753	0.0000	0.0000	427	-700	1.201	-6.9762	18.2535	0.0000	0.0000
373	-100	1.201	-3.0019	6.3435	0.0000	0.0000	428	-700	1.301	-6.2897	17.4193	0.0000	0.0000
374	-100	1.300	-2.0737	8.5350	0.0000	0.0000	429	-700	1.401	-5.4655	16.8351	0.0000	0.0000
375	-100	1.401	-1.3933	10.0613	0.0000	0.0000	430	-700	1.501	-4.6645	16.3751	0.0000	0.0000
376	-100	1.500	-.9718	11.3800	0.0000	0.0000	431	-700	1.601	-3.9394	16.0844	0.0000	0.0000
377	-100	1.601	-.5040	12.3758	0.0000	0.0000	432	-700	1.701	-3.3523	16.0471	0.0000	0.0000
378	-100	1.700	-.3356	13.1667	0.0000	0.0000	433	-800	.901	-6.2888	21.9252	0.0000	0.0000
379	-200	.901	-3.7658	-5.6474	0.0000	0.0000	434	-800	1.000	-6.4773	20.8058	0.0000	0.0000
380	-200	1.001	-9.9620	-.4362	0.0000	0.0000	435	-800	1.101	-6.4793	19.8167	0.0000	0.0000
381	-200	1.101	-8.8803	4.5994	0.0000	0.0000	436	-800	1.201	-6.0433	18.8153	0.0000	0.0000
382	-200	1.201	-6.3870	7.6184	0.0000	0.0000	437	-800	1.301	-5.6290	18.1017	0.0000	0.0000
383	-200	1.301	-4.4780	9.4883	0.0000	0.0000	438	-800	1.401	-4.9738	17.4749	0.0000	0.0000
384	-200	1.401	-3.3372	10.8578	0.0000	0.0000	439	-800	1.501	-4.3457	17.0384	0.0000	0.0000
385	-200	1.501	-2.3068	11.9922	0.0000	0.0000	440	-800	1.601	-3.9259	16.6893	0.0000	0.0000
441	-800	1.701	-3.3110	16.5529	0.0000	0.0000	446	-900	1.301	-4.9482	18.4930	0.0000	0.0000
442	-900	.901	-5.2928	21.7129	0.0000	0.0000	447	-900	1.401	-4.5538	17.9875	0.0000	0.0000
443	-900	1.000	-5.6066	20.9007	0.0000	0.0000	448	-900	1.501	-4.1276	17.5372	0.0000	0.0000
444	-900	1.101	-5.3239	19.8912	0.0000	0.0000	449	-900	1.601	-3.6926	17.2603	0.0000	0.0000
445	-900	1.201	-5.2272	19.1960	0.0000	0.0000	450	-900	1.701	-3.2444	17.0030	0.0000	0.0000

TEST NUMBER 81070802 RUN NUMBER 5 X/D = 2.60

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
1	-1.200	.001	-4.0867	24.0630	.3855	.5553	56	-1.100	.601	-3.2901	4.4151	6.9979	2.8861
2	-1.200	.053	-3.7042	24.1132	.4958	.4939	57	-1.100	.650	-3.3983	4.4151	6.9866	3.2542
3	-1.200	.102	-3.5197	24.2401	.4301	.5168	58	-1.100	.701	-1.5513	8.9814	7.0350	3.2951
4	-1.200	.152	-3.0311	24.2067	.4485	.5440	59	-1.100	.752	-1.7189	11.7273	7.6284	3.9671
5	-1.200	.203	-2.7763	24.4186	.5528	.5440	60	-1.100	.801	1.1008	13.7378	7.2637	3.7215
6	-1.200	.253	-2.4062	24.4328	.5480	.5480	61	-1.100	.850	2.1407	14.6809	7.4467	4.0267
7	-1.200	.302	-2.1220	24.4093	.5828	.5640	62	-1.100	.901	2.6510	14.5680	6.3290	3.7959
8	-1.200	.352	-1.6820	24.3437	.5147	.4590	63	-1.100	.952	2.4063	15.1197	7.3101	3.3991
9	-1.200	.403	-1.2951	24.4538	.6633	.5365	64	-1.100	1.001	2.0629	16.2713	5.7981	3.8395
10	-1.200	.453	-1.0059	24.4330	.7016	.6209	65	-1.100	1.050	3.1465	16.6408	5.2077	2.7650
11	-1.200	.502	-.6601	24.2997	1.1228	.8733	66	-1.100	1.101	3.8011	17.9274	5.6504	3.2558
12	-1.200	.552	-.3338	24.4010	1.3277	1.0483	67	-1.100	1.151	2.9703	17.3599	6.4451	3.2732
13	-1.200	.603	-.0665	24.3127	1.5539	1.3130	68	-1.100	1.201	1.6333	17.9148	5.9079	3.1582
14	-1.200	.653	.1093	24.2324	2.1735	1.3130	69	-1.051	.450	-1.6641	.0359	2.8016	2.4450
15	-1.200	.702	.2237	24.1552	2.5940	1.4520	70	-1.051	.501	-3.9002	-.9774	2.9110	2.0842
16	-1.200	.752	.8740	24.5206	1.7320	1.6267	71	-1.051	.551	-4.9985	-1.1470	2.8901	2.1801
17	-1.200	.803	1.5435	24.0067	1.9406	1.6069	72	-1.051	.600	-4.5527	-.1197	3.4791	2.6269
18	-1.200	.853	1.9765	24.2243	2.1241	1.4133	73	-1.051	.650	-4.2093	1.3502	4.6282	2.7900
19	-1.200	.902	2.0782	24.1899	2.1819	1.8979	74	-1.051	.701	-4.2357	2.2709	4.8643	3.6690
20	-1.200	.950	2.7457	23.7462	1.6790	1.6770	75	-1.051	.751	-3.7805	3.5212	5.5653	3.6935
21	-1.200	1.001	3.1066	23.8618	1.7799	1.5053	76	-1.051	.800	-2.5464	4.0361	6.8785	3.7116
22	-1.200	1.051	2.5904	23.2594	1.9139	1.6415	77	-1.051	.850	-.4266	7.4825	6.4030	4.3115
23	-1.200	1.100	2.6633	22.9059	1.8868	1.3950	78	-1.051	.901	1.3858	8.1453	7.9157	4.3904
24	-1.200	1.150	3.0786	23.0633	1.3134	1.4705	79	-1.051	.951	1.6068	8.9088	7.9157	4.5231
25	-1.200	1.201	2.5999	23.2025	1.8477	1.5685	80	-1.051	1.000	2.0299	8.7851	8.1199	4.4442
26	-1.150	.001	-4.1427	24.4648	.4142	.5760	81	-1.051	1.050	2.5518	9.7379	8.0565	3.8854
27	-1.150	.051	-3.8432	24.5558	.4882	.5700	82	-1.051	1.101	1.1822	10.5319	9.0379	3.7518
28	-1.150	.100	-3.5468	24.4424	.4677	.5618	83	-1.051	1.151	1.1109	12.2066	7.5547	3.6496
29	-1.150	.150	-2.9583	24.0725	.6082	.7194	84	-1.051	1.200	1.0367	13.3367	7.2024	3.7498
30	-1.150	.201	-2.4762	23.3900	.8773	1.2474	85	-1.000	.601	-5.8210	1.8259	3.0592	2.8267
31	-1.150	.251	-2.0135	21.0544	3.1912	3.5321	86	-1.000	.651	-4.8821	-.9201	3.3303	2.9223
32	-1.150	.300	-1.4606	18.9162	4.1306	4.8017	87	-1.000	.700	-4.7131	-.9333	4.0950	3.4502
33	-1.150	.350	-1.1144	15.0416	5.6369	4.9583	88	-1.000	.749	-3.6899	-1.0579	4.9241	3.8767
34	-1.150	.401	-.9267	13.9767	6.2538	5.3522	89	-1.000	.801	-2.6108	-1.3012	5.7833	4.6246
35	-1.150	.451	-.6120	15.5022	6.9061	4.8682	90	-1.000	.851	-1.9432	-.5010	7.0738	4.3423
36	-1.150	.501	-.8858	15.7594	6.6494	4.3439	91	-1.000	.900	.5344	1.8747	8.1146	4.4431
37	-1.150	.550	.2085	17.1567	6.3292	3.5996	92	-1.000	.950	.5792	1.1077	8.7273	4.5389
38	-1.150	.601	-.5227	17.6409	6.4291	3.2846	93	-1.000	1.001	-1.1755	1.8866	9.0512	4.4032
39	-1.150	.651	-.0764	17.6478	6.0715	3.8928	94	-1.000	1.051	-.9589	4.2386	8.9035	3.9637
40	-1.150	.701	1.6526	20.3301	5.5810	2.9759	95	-1.000	1.100	-2.2443	5.9557	8.1723	4.1125
41	-1.150	.750	1.0386	19.5833	5.7523	3.0117	96	-1.000	1.149	-2.8831	7.2804	8.0789	4.1254
42	-1.150	.801	2.1918	21.0009	4.9148	2.8494	97	-1.000	1.201	-1.9803	9.9855	8.0653	3.7304
43	-1.150	.851	2.0763	20.9256	4.1138	2.7283	98	-.950	.650	-5.0845	-2.3020	4.6477	2.2280
44	-1.150	.901	2.2534	20.8949	5.3933	2.8422	99	-.950	.703	-5.4192	-3.0831	3.1657	2.9299
45	-1.150	.950	3.5579	21.7236	4.0931	2.5958	100	-.950	.751	-4.2250	-3.6496	3.8902	3.7510
46	-1.150	1.001	3.2893	21.2519	4.3727	2.6304	101	-.950	.801	-2.3244	-3.5117	4.9991	3.7760
47	-1.150	1.051	3.5503	21.3390	3.4308	2.3406	102	-.950	.849	-1.1482	-3.8597	6.4294	4.2337
48	-1.150	1.101	3.1418	21.7638	3.2585	1.9775	103	-.950	.901	-.7669	-3.5633	7.2060	4.2783
49	-1.150	1.150	2.6009	21.8027	2.8759	1.8818	104	-.950	.951	-1.2856	-2.4961	6.8798	4.8366
50	-1.150	1.201	2.8348	21.9384	2.9073	1.7789	105	-.950	1.001	-2.5771	-1.8504	6.8328	4.5762
51	-1.100	.352	-1.4428	-.8281	2.4335	2.3270	106	-.950	1.001	-3.3723	1.1054	7.0020	4.4659
52	-1.100	.401	-1.9433	-.2442	2.8065	2.6152	107	-.950	1.049	-5.4416	2.6204	6.6479	3.9382
53	-1.100	.450	-2.7809	-.5491	3.3254	2.7446	108	-.950	1.151	-6.1489	5.5064	5.6040	3.4302
54	-1.100	.501	-2.1536	2.0433	4.7424	2.9917	109	-.950	1.201	-7.5054	7.7319	4.5927	3.5598
55	-1.100	.552	-2.4316	2.5021	5.2600	3.0699	110	-.899	.752	-3.5208	-3.6194	2.5424	3.4284

TEST NUMBER 81070802 RUN NUMBER 5 X/D = 2.60

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
111	-899	.802	-2.3055	-3.3957	3.8855	4.1665	166	-.500	1.200	-10.2199	-1.730	1.0450	.8836	167	-.450	1.102	-15.3080	-3.289	1.0450	.8836
112	-899	.801	-.9670	-5.8263	4.0717	3.9147	167	-.450	1.102	-15.3080	-3.289	1.0450	.8836	168	-.450	1.152	-16.3617	-3.289	1.0450	.8836
113	-899	.801	-.5131	-5.8722	5.0456	3.7234	168	-.450	1.152	-16.3617	-3.289	1.0450	.8836	169	-.450	1.201	-17.1183	-3.289	1.0450	.8836
114	-899	.952	-1.2396	-3.8799	5.8356	4.0665	169	-.450	1.201	-17.1183	-3.289	1.0450	.8836	170	-.400	1.151	-15.8156	-3.289	1.0450	.8836
115	-899	1.002	-4.9725	-3.8799	4.6144	4.8993	170	-.400	1.151	-15.8156	-3.289	1.0450	.8836	171	-.400	1.202	-16.2254	-3.289	1.0450	.8836
116	-899	1.051	-7.2945	-3.8799	4.1082	4.8569	171	-.400	1.202	-16.2254	-3.289	1.0450	.8836	172	-.350	1.152	-14.9276	-3.289	1.0450	.8836
117	-899	1.101	-8.4745	-3.8799	5.0888	4.3107	172	-.350	1.152	-14.9276	-3.289	1.0450	.8836	173	-.350	1.201	-15.1725	-3.289	1.0450	.8836
118	-899	1.152	-9.1611	-3.8799	4.6717	4.9189	173	-.350	1.201	-15.1725	-3.289	1.0450	.8836	174	-.300	1.151	-13.9537	-3.289	1.0450	.8836
119	-899	1.202	-9.2562	-3.8799	2.7355	2.9908	174	-.300	1.151	-13.9537	-3.289	1.0450	.8836	175	-.300	1.201	-13.7738	-3.289	1.0450	.8836
120	-850	.801	-.7704	-2.4630	3.3199	4.0665	175	-.300	1.201	-13.7738	-3.289	1.0450	.8836	176	-.250	1.152	-12.4500	-3.289	1.0450	.8836
121	-850	.851	.6637	-3.2766	4.3068	4.9280	176	-.250	1.152	-12.4500	-3.289	1.0450	.8836	177	-.250	1.202	-12.3867	-3.289	1.0450	.8836
122	-850	.902	1.4121	-4.5378	5.4669	4.5896	177	-.250	1.202	-12.3867	-3.289	1.0450	.8836	178	-.200	1.151	-10.5991	-3.289	1.0450	.8836
123	-850	.951	-1.6596	-5.0796	5.2102	4.9544	178	-.200	1.151	-10.5991	-3.289	1.0450	.8836	179	-.150	1.202	-8.7993	-3.289	1.0450	.8836
124	-850	1.001	-6.8437	-3.8007	3.8570	4.6330	179	-.150	1.202	-8.7993	-3.289	1.0450	.8836	180	-.100	1.151	-6.4709	-3.289	1.0450	.8836
125	-850	1.051	-10.0148	-3.8007	3.8570	4.6330	180	-.100	1.151	-6.4709	-3.289	1.0450	.8836	181	-.050	1.202	-4.4709	-3.289	1.0450	.8836
126	-850	1.102	-11.0271	-3.8007	2.6806	3.1716	181	-.050	1.202	-4.4709	-3.289	1.0450	.8836	182	0.000	1.151	-1.5177	-3.289	1.0450	.8836
127	-850	1.151	-12.4433	-3.8007	1.7503	2.2377	182	0.000	1.151	-1.5177	-3.289	1.0450	.8836	183	0.050	1.202	-1.3737	-3.289	1.0450	.8836
128	-850	1.200	-12.5126	-3.8007	1.5313	1.9216	183	0.050	1.202	-1.3737	-3.289	1.0450	.8836	184	0.100	1.151	4.4387	-3.289	1.0450	.8836
129	-800	.852	3.2325	-2.260	3.2595	3.9348	184	0.100	1.151	4.4387	-3.289	1.0450	.8836	185	0.150	1.201	7.5718	-3.289	1.0450	.8836
130	-800	.901	3.2589	-.3924	4.1751	5.2122	185	0.150	1.201	7.5718	-3.289	1.0450	.8836	186	0.200	1.151	10.8212	-3.289	1.0450	.8836
131	-800	.950	-.7182	-1.7023	5.2456	4.9695	186	0.200	1.151	10.8212	-3.289	1.0450	.8836	187	0.250	1.201	15.5080	-3.289	1.0450	.8836
132	-800	1.001	-6.0465	-1.6749	4.6420	5.0889	187	0.250	1.201	15.5080	-3.289	1.0450	.8836	188	0.250	1.151	13.7233	-3.289	1.0450	.8836
133	-800	1.052	-11.9338	.9675	3.8941	3.0350	188	0.250	1.151	13.7233	-3.289	1.0450	.8836	189	0.300	1.201	18.0621	-3.289	1.0450	.8836
134	-800	1.101	-14.2656	3.1842	2.3568	2.1131	189	0.300	1.201	18.0621	-3.289	1.0450	.8836	190	0.300	1.151	16.4503	-3.289	1.0450	.8836
135	-800	1.150	-14.4365	5.2919	1.2174	1.5947	190	0.300	1.151	16.4503	-3.289	1.0450	.8836	191	0.351	1.201	21.7933	-3.289	1.0450	.8836
136	-800	1.201	-14.5677	7.1302	1.3490	1.5730	191	0.351	1.201	21.7933	-3.289	1.0450	.8836	192	0.351	1.151	19.0728	-3.289	1.0450	.8836
137	-750	.900	3.4576	4.6607	3.1166	4.2629	192	0.351	1.151	19.0728	-3.289	1.0450	.8836	193	0.400	1.200	21.2446	-3.289	1.0450	.8836
138	-750	.951	1.414	2.7980	5.0021	5.0230	193	0.400	1.200	21.2446	-3.289	1.0450	.8836	194	0.400	1.151	20.6854	-3.289	1.0450	.8836
139	-750	1.002	-7.7707	1.5531	6.0279	3.2114	194	0.400	1.151	20.6854	-3.289	1.0450	.8836	195	0.451	1.201	21.5302	-3.289	1.0450	.8836
140	-750	1.051	-12.5480	2.3140	4.4844	3.0971	195	0.451	1.201	21.5302	-3.289	1.0450	.8836	196	0.451	1.151	22.5320	-3.289	1.0450	.8836
141	-750	1.100	-15.6668	4.0775	1.8252	1.6098	196	0.451	1.151	22.5320	-3.289	1.0450	.8836	197	0.500	1.200	21.2343	-3.289	1.0450	.8836
142	-750	1.151	-16.1141	5.3296	1.1461	1.3326	197	0.500	1.200	21.2343	-3.289	1.0450	.8836	198	0.500	1.151	21.8521	-3.289	1.0450	.8836
143	-750	1.202	-16.6575	6.5809	1.0911	1.3826	198	0.500	1.151	21.8521	-3.289	1.0450	.8836	199	0.500	1.201	22.7253	-3.289	1.0450	.8836
144	-700	.950	1.5526	6.5245	3.0511	3.6409	199	0.500	1.201	22.7253	-3.289	1.0450	.8836	200	0.500	1.151	21.7803	-3.289	1.0450	.8836
145	-700	1.001	-4.6405	4.2074	6.5687	2.8758	200	0.500	1.151	21.7803	-3.289	1.0450	.8836	201	0.550	1.201	18.2883	-3.289	1.0450	.8836
146	-700	1.052	-12.2507	3.9166	5.9779	2.4538	201	0.550	1.201	18.2883	-3.289	1.0450	.8836	202	0.550	1.151	16.2137	-3.289	1.0450	.8836
147	-700	1.101	-16.3240	4.3396	1.4231	1.3030	202	0.550	1.151	16.2137	-3.289	1.0450	.8836	203	0.550	1.200	21.7379	-3.289	1.0450	.8836
148	-700	1.150	-16.9522	5.0038	1.0791	1.0939	203	0.550	1.200	21.7379	-3.289	1.0450	.8836	204	0.550	1.151	22.3803	-3.289	1.0450	.8836
149	-700	1.201	-17.5530	5.8045	1.1117	1.3799	204	0.550	1.151	22.3803	-3.289	1.0450	.8836	205	0.600	1.201	22.0915	-3.289	1.0450	.8836
150	-650	1.001	-1.5840	4.4509	4.9020	2.5967	205	0.600	1.201	22.0915	-3.289	1.0450	.8836	206	0.600	1.151	21.1047	-3.289	1.0450	.8836
151	-650	1.051	-12.9409	2.9727	4.1481	2.3102	206	0.600	1.151	21.1047	-3.289	1.0450	.8836	207	0.600	1.200	13.2145	-3.289	1.0450	.8836
152	-650	1.102	-16.4620	3.8856	1.1615	1.0841	207	0.600	1.200	13.2145	-3.289	1.0450	.8836	208	0.600	1.151	20.8750	-3.289	1.0450	.8836
153	-650	1.151	-17.2999	4.1715	1.1085	.9290	208	0.600	1.151	20.8750	-3.289	1.0450	.8836	209	0.600	1.201	21.7376	-3.289	1.0450	.8836
154	-650	1.201	-18.0774	4.5257	1.1926	1.2631	209	0.600	1.201	21.7376	-3.289	1.0450	.8836	210	0.650	1.151	20.4564	-3.289	1.0450	.8836
155	-600	1.002	-1.0916	3.2112	3.8180	2.6679	210	0.650	1.151	20.4564	-3.289	1.0450	.8836	211	0.650	1.201	13.3965	-3.289	1.0450	.8836
156	-600	1.050	-12.2717	2.1172	4.1155	3.2090	211	0.650	1.201	13.3965	-3.289	1.0450	.8836	212	0.650	1.151	19.5724	-3.289	1.0450	.8836
157	-600	1.101	-16.3822	2.9730	1.0817	.8405	212	0.650	1.151	19.5724	-3.289	1.0450	.8836	213	0.650	1.200	15.5773	-3.289	1.0450	.8836
158	-600	1.152	-17.5154	3.0007	1.0528	.8245	213	0.650	1.200	15.5773	-3.289	1.0450	.8836	214	0.650	1.151	17.9408	-3.289	1.0450	.8836
159	-600	1.201	-18.6419	2.9335	1.0666	1.0189	214	0.650	1.151	17.9408	-3.289	1.0450	.8836	215	0.700	1.201	15.2096	-3.289	1.0450	.8836
160	-550	1.052	-14.1818	1.7309	1.7315	1.6003	215	0.700	1.201	15.2096	-3.289	1.0450	.8836	216	0.700	1.151	11.2103	-3.289	1.0450	.8836
161	-550	1.101	-16.1777	1.9556	.8788	.7435	216	0.700	1.151	11.2103	-3.289	1.0450	.8836	217	0.700	1.200	11.2371	-3.289	1.0450	.8836
162	-550	1.150	-17.2690	1.9232	1.0182	.9009	217	0.700	1.200	11.2371	-3.289	1.0450	.8836	218	0.700	1.151	10.8367	-3.289	1.0450	.8836
163	-550	1.201	-18.6317	1.2827	1.0733	1.1039	218	0.700	1.151	10.8367	-3.289	1.0450	.8836	219	0.700	1.201	17.4185	-3.289	1.0450	.8836
164	-500	1.102	-16.0094	1.1735	.8491	.6693	219	0.700	1.201	17.4185	-3.289	1.0450	.8836	220	0.700	1.151	15.8484	-3.289	1.0450	.8836
165	-500	1.151	-16.8981	.7336	.9922	.7834	220	0.700	1.151	15.8484	-3.289	1.0450	.8836							

TEST NUMBER 81070802 RUN NUMBER 5 X/D = 2.60

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
221	.750	.901	-2.7587	-1.9918	5.7436	4.8294	277	1.000	1.001	-7.0563	20.0609	2.7715	5.3641
222	.750	.950	-3.0528	-3.7122	5.5079	5.3178	278	1.000	1.051	-9.0688	21.8994	2.7815	3.0837
223	.750	.999	-1.5566	-5.1283	6.7282	6.2203	279	1.000	1.102	-9.0734	22.2893	2.8164	2.6308
224	.750	1.051	9.0128	-1.7262	6.8780	4.6003	280	1.000	1.151	-8.0943	22.5541	1.9531	2.2097
225	.750	1.101	14.2135	3.7235	4.9295	3.3150	281	1.000	1.200	-8.3544	22.8994	1.6220	1.6015
226	.750	1.150	15.1233	8.8958	3.4551	2.5808	282	1.050	.451	2.0196	-2.2377	1.5244	2.1349
227	.750	1.199	12.3008	12.0034	4.4070	3.1255	283	1.050	.501	2.4664	-4.4480	2.1777	2.1094
228	.800	.851	2.4464	-3.4374	4.9075	3.3197	284	1.050	.552	2.9418	.0632	2.8711	4.0897
229	.800	.900	-9.7966	-5.7912	4.5963	4.9883	285	1.050	.601	3.2673	3.0343	3.2393	4.3424
230	.800	.950	-8.0150	-5.6180	4.7691	6.6744	286	1.050	.651	1.7160	8.3605	3.2516	7.0148
231	.800	1.001	1.6720	-6.0083	6.0562	6.7892	287	1.050	.702	-8.4448	12.2525	3.7526	8.0528
232	.800	1.051	6.6812	-3.4444	6.5011	5.9586	288	1.050	.752	-1.5289	16.7065	3.5375	7.8923
233	.800	1.100	7.9686	1.3246	6.2322	6.1394	289	1.050	.801	-3.9509	21.3898	3.7597	6.3945
234	.800	1.150	10.2119	6.0331	5.4488	3.9961	290	1.050	.851	-5.2570	23.3008	2.8575	5.1553
235	.800	1.201	6.2095	10.1942	5.5813	4.2108	291	1.050	.902	-6.8898	25.3161	2.2047	3.0835
236	.850	.800	5.3333	-3.9528	3.9107	3.6871	292	1.050	.952	-7.6505	25.0859	2.5031	2.0071
237	.850	.851	3.4207	-4.3462	4.0895	5.0060	293	1.050	1.001	-8.2122	25.2265	1.8757	1.7478
238	.850	.901	1.0793	-5.7158	5.0787	5.4098	294	1.050	1.051	-8.5937	24.5289	1.3119	1.3136
239	.850	.950	-1.0533	-4.5755	5.3066	6.7519	295	1.050	1.102	-8.0273	23.8538	1.4377	1.6580
240	.850	1.000	.4570	-3.6115	5.1021	8.5221	296	1.050	1.152	-7.9457	23.5727	1.0063	1.2687
241	.850	1.051	3.5165	-1.6066	5.2818	8.6715	297	1.050	1.201	-7.7502	23.4158	1.0182	1.1538
242	.850	1.101	2.6229	2.9410	6.1114	8.4855	298	1.100	.251	.5546	2.1869	1.2127	1.4624
243	.850	1.150	1.9680	7.4089	5.4630	8.3605	299	1.100	.301	.6718	2.7765	1.1662	1.4968
244	.850	1.199	1.3983	11.4309	6.0187	7.4316	300	1.100	.352	.5790	5.1317	2.8746	3.6354
245	.900	.751	6.9804	-2.9795	3.1649	3.7200	301	1.100	.401	.7344	6.6447	2.9242	4.3064
246	.900	.801	6.5134	-2.7056	4.3855	4.3370	302	1.100	.450	.0532	11.8501	5.0045	7.2401
247	.900	.849	4.3710	-2.9451	4.7944	5.1666	303	1.100	.501	-8.790	17.9288	4.9252	7.9821
248	.900	.900	1.6575	-8.8990	4.6337	7.7960	304	1.100	.552	-2.3000	24.1734	2.8210	5.4150
249	.900	.951	-1.4722	.9016	4.4180	9.3784	305	1.100	.602	-2.4427	25.3812	2.3577	4.5363
250	.900	1.001	-2.5069	3.3880	4.6673	9.4820	306	1.100	.651	-3.5232	26.6708	1.9191	1.9754
251	.900	1.049	-3.2176	4.1167	4.1941	9.4118	307	1.100	.701	-3.7674	26.4389	1.6479	3.0335
252	.900	1.101	-3.9524	8.4022	5.0827	9.2246	308	1.100	.752	-3.9382	26.6540	1.6649	2.8751
253	.900	1.151	-1.2669	10.7316	5.0124	9.8240	309	1.100	.802	-5.0536	27.0524	1.9153	1.8110
254	.900	1.201	-1.8940	14.6067	4.0558	8.9370	310	1.100	.851	-6.0279	26.8246	1.4402	1.7587
255	.950	.650	5.3000	-1.3925	2.0772	3.1179	311	1.100	.901	-6.3452	26.6829	1.5369	1.2186
256	.950	.701	6.1357	-8.236	2.3758	3.6176	312	1.100	.952	-7.1901	26.8679	.9116	1.1560
257	.950	.751	6.1774	-0.377	3.3991	4.3180	313	1.100	1.002	-7.6042	25.3610	1.0796	.9340
258	.950	.800	5.4706	2.0029	3.5563	5.8776	314	1.100	1.051	-7.6201	24.7923	1.0134	1.0581
259	.950	.850	1.8584	4.9399	4.3861	7.2006	315	1.100	1.101	-7.6327	24.1777	.7857	.8262
260	.950	.901	-1.6077	7.8576	4.6038	7.1296	316	1.100	1.152	-7.6489	23.5438	.7433	.8305
261	.950	.951	-4.8797	10.0847	4.4284	7.9594	317	1.150	1.201	-7.7465	23.5087	.8871	.8718
262	.950	1.000	-5.5048	12.0466	4.2729	8.4231	318	1.150	.001	3.3267	28.3296	.3811	.4804
263	.950	1.050	-7.4367	15.9044	3.7551	6.8052	319	1.150	.050	2.7271	28.1177	.4625	.5262
264	.950	1.101	-6.2096	15.6529	3.4801	7.9458	320	1.150	.102	2.1443	27.9808	.5010	.5518
265	.950	1.151	-7.0298	18.4471	2.9531	5.9900	321	1.150	.152	1.6675	27.9237	.4383	.5711
266	.950	1.199	-6.1165	19.0870	2.4610	5.333	322	1.150	.201	1.2317	27.9285	.4069	.5116
267	1.000	.550	2.7290	.5808	1.8070	2.7973	323	1.150	.251	.7363	27.8649	.3782	.6520
268	1.000	.600	.8457	-8.957	3.2759	3.2759	324	1.150	.302	.1513	27.7435	.4529	.5982
269	1.000	.651	5.0169	.3785	2.7873	3.3715	325	1.150	.352	-4.3319	27.7263	.4276	.6818
270	1.000	.702	5.2439	2.3544	2.6318	3.8304	326	1.150	.401	-8.157	27.6582	.4245	.5840
271	1.000	.751	2.2997	6.3285	3.7705	6.4859	327	1.150	.451	-1.2699	27.6441	.4953	.6964
272	1.000	.801	.6683	9.8340	4.0473	7.6646	328	1.150	.502	-1.7351	27.4800	.4466	.6996
273	1.000	.851	-2.0641	13.7078	3.9653	6.6205	329	1.150	.552	-2.3353	27.2900	.5354	.7062
274	1.000	.902	-4.5501	15.8612	3.5995	7.6212	330	1.150	.601	-2.8027	27.1512	.6001	.7960
275	1.000	.951	-6.5323	19.3514	3.9080	6.2829			.651	-2.9429	26.9552	.5954	.8235

TEST NUMBER 81070802 RUN NUMBER 5 X/D = 2.60

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
331	1.150	.702	-3.5241	26.9301	.7324	.7380	386	-1.050	2.401	9.1052	16.9401	.5743	.4308
332	1.150	.752	-4.0394	26.9424	.6482	.8047	387	-1.050	2.551	7.9936	16.1608	.5902	.3906
333	1.150	.801	-4.5812	26.6885	.6206	.7956	388	-1.050	2.701	6.9162	15.7509	.5121	.3861
334	1.150	.851	-5.1614	26.4977	.8213	.8296	389	-900	1.200	-9.0811	6.9611	2.5362	2.9067
335	1.150	.902	-5.6357	25.9970	.7874	.8185	390	-900	1.353	-8.3688	14.9300	3.2221	2.6036
336	1.150	.952	-6.3462	25.7407	.7204	.7142	391	-900	1.503	-8.3202	22.4865	3.3890	3.2330
337	1.150	1.001	-6.6920	25.0550	.7534	.7184	392	-900	1.653	4.9691	25.4342	4.6095	4.4071
338	1.150	1.051	-7.0627	24.7652	.6983	.7515	393	-900	1.802	10.5597	23.4903	3.8047	4.4212
339	1.150	1.102	-7.0618	24.0247	.5916	.7317	394	-900	1.953	14.4587	21.0423	2.1909	2.4775
340	1.150	1.152	-7.3540	23.6358	.5762	.8253	395	-900	2.104	14.1537	16.7901	.9650	1.0575
341	1.150	1.201	-7.2684	23.4571	.7668	.8161	396	-900	2.253	12.2397	16.7377	.8114	.6100
342	1.200	.002	3.3652	27.7029	.4341	.5154	397	-900	2.403	10.1753	15.5197	.7002	.5130
343	1.200	.052	2.7053	27.5688	.4201	.5271	398	-900	2.554	8.4780	15.0437	.6416	.3988
344	1.200	.101	2.3041	27.6547	.4976	.5629	399	-900	2.704	7.1666	14.8040	.4502	.4050
345	1.200	.151	1.8964	27.3276	.4372	.5484	400	-750	1.201	-16.2209	6.6320	1.0212	1.3165
346	1.200	.202	1.2705	27.3735	.4622	.5354	401	-750	1.351	-17.4258	12.3855	2.3992	2.1923
347	1.200	.251	.7254	27.4126	.4166	.5379	402	-750	1.502	-10.5150	20.1909	3.4952	3.3376
348	1.200	.300	.3413	27.3607	.4680	.5974	403	-750	1.651	3.4851	25.0080	3.8806	3.9233
349	1.200	.350	-.1403	27.2544	.4433	.5444	404	-750	1.801	14.7989	22.4838	3.1911	3.7990
350	1.200	.401	-.7052	27.2094	.4383	.5954	405	-750	1.951	15.9228	17.1882	3.7304	3.5442
351	1.200	.451	-1.2261	27.0892	.4463	.6017	406	-750	2.102	15.9637	15.6118	1.9543	2.2701
352	1.200	.500	-1.5581	26.9604	.4210	.5410	407	-750	2.252	13.8006	14.1581	1.0333	1.2234
353	1.200	.550	-2.0806	26.8377	.5147	.5592	408	-750	2.401	10.8580	13.5110	.5832	.4679
354	1.200	.601	-2.4701	26.8290	.5886	.5612	409	-750	2.552	8.8091	13.5474	.5222	.5042
355	1.200	.651	-2.9968	26.6143	.4523	.6786	410	-750	2.702	7.2195	13.6821	.5366	.5042
356	1.200	.700	-3.4814	26.4808	.4876	.6932	411	-600	1.203	-18.8277	2.8212	.9088	1.0509
357	1.200	.750	-3.8313	26.3132	.5610	.6905	412	-600	1.352	-19.5699	2.8212	2.6417	2.1817
358	1.200	.801	-4.2760	26.1817	.5430	.5577	413	-600	1.500	-19.7062	5.9984	4.4801	4.1258
359	1.200	.851	-4.8224	26.0471	.5549	.5668	414	-600	1.651	6.5973	9.4064	9.6304	8.4448
360	1.200	.900	-5.4714	25.7123	.5039	.6279	415	-600	1.802	17.7336	10.7443	4.3806	3.2303
361	1.200	.950	-5.8483	25.2603	.5078	.6813	416	-600	1.952	16.7481	10.6951	3.9033	3.4837
362	1.200	1.001	-6.2397	24.9166	.5242	.5579	417	-600	2.101	16.6709	9.5430	2.4055	2.3048
363	1.200	1.051	-6.5298	24.4123	.5814	.6773	418	-600	2.251	13.7670	10.5535	1.1053	1.0737
364	1.200	1.100	-6.6488	24.0019	.4660	.5966	419	-600	2.403	10.4300	10.9866	.5201	.6336
365	1.200	1.150	-6.7631	23.5502	.5240	.7312	420	-600	2.552	8.2939	11.6790	.5266	.5016
366	1.200	1.201	-7.0359	23.3029	.4956	.6240	421	-600	2.701	6.4687	12.2605	.4831	.4185
367	1.200	1.201	-7.3134	23.4298	1.3577	1.2608	422	-450	1.202	-17.2849	-8.8944	.7927	.8923
368	1.200	1.350	3.4323	24.0325	1.1152	1.2253	423	-450	1.352	-19.3360	-8.2713	1.5241	2.3428
369	1.200	1.500	4.4094	24.5653	1.0925	1.0964	424	-450	1.501	-14.3711	-8.1234	3.6517	3.8031
370	1.200	1.623	6.2228	24.4716	.8053	.9066	425	-450	1.651	-2.5041	-9.8685	5.4465	4.9371
371	1.200	1.773	7.9502	23.5307	.7566	.8514	426	-450	1.801	11.1469	-2.1947	4.8561	3.2394
372	1.200	1.943	8.8667	22.0789	.5944	.4556	427	-450	1.952	14.5884	1.6010	4.9000	3.0579
373	1.200	2.092	9.1265	20.5276	.6310	.4851	428	-450	2.101	14.5907	4.4676	2.8849	1.8640
374	1.200	2.251	8.6171	19.0363	.5065	.5271	429	-450	2.251	11.7842	6.8435	1.1794	.8655
375	1.200	2.401	8.0987	17.9870	.6108	.4347	430	-450	2.402	8.8588	8.7254	.6790	.5913
376	1.200	2.536	7.2025	17.1136	.5621	.4440	431	-450	2.552	6.9623	10.0883	.4756	.5890
377	1.200	2.680	6.5384	16.6447	.4553	.4176	432	-450	2.701	5.5449	11.1683	.4387	.3982
378	1.050	1.200	7.4860	13.5160	3.1128	3.1128	433	-300	1.202	-13.6733	-1.9543	.6421	.6848
379	1.050	1.350	-2.0655	18.4407	6.8796	3.2244	434	-300	1.352	-13.4716	-7.0046	.8967	1.1666
380	1.050	1.499	2.4818	21.5719	5.5226	3.6174	435	-300	1.502	-10.6393	-11.3631	2.1694	2.4131
381	1.050	1.649	5.9578	24.7271	4.4199	3.2988	436	-300	1.651	-8.8235	-12.2575	2.9519	2.4546
382	1.050	1.801	10.0017	24.4942	1.8057	1.7187	437	-300	1.801	3.9464	-9.2794	4.1535	2.6932
383	1.050	1.951	11.5730	22.6557	1.0562	.7921	438	-300	1.952	8.1064	-8.8308	3.5608	2.0426
384	1.050	2.100	11.5194	20.1098	.7592	.6958	439	-300	2.102	9.9115	.3257	1.6889	1.0004
385	1.050	2.250	10.3499	18.2204	.5999	.5316	440	-300	2.251	7.5985	4.2904	.8477	.6963

TEST NUMBER 81070802 RUN NUMBER 5 X/D = 2.60

NO.	Y	Z	V	W	VS	MS	NO.	Y	Z	V	W	VS	MS
441	-300	2.402	6.2761	7.0424	.4964	.4901	496	.450	2.402	-5.1552	9.4225	.3460	.5100
442	-300	2.552	5.1083	8.7901	.5129	.4294	497	.450	2.552	-3.8678	10.3174	.3667	.4360
443	-300	2.702	4.2460	10.2702	.4122	.4380	498	.450	2.702	-2.7533	11.1745	.3408	.4709
444	-150	1.202	-8.6801	-9.667	.5483	.6598	499	.600	1.203	20.2777	9.7620	2.7144	3.0152
445	-150	1.352	-8.0137	-6.3162	.4177	.6283	500	.600	1.352	7.2698	17.6860	4.2931	4.5214
446	-150	1.501	-7.2189	-5.5369	.7189	1.0618	501	.600	1.501	-15.4956	18.1462	5.3185	4.4281
447	-150	1.651	-6.1836	-10.2897	1.1049	1.2175	502	.600	1.651	-19.5853	12.9756	4.1379	4.1543
448	-150	1.802	-8.253	-8.1121	1.3826	1.1010	503	.600	1.802	-18.8956	11.3223	1.8839	1.5605
449	-150	1.952	2.0225	-4.2844	1.1899	.8199	504	.600	1.952	-14.0906	10.4429	.6989	.7801
450	-150	2.101	3.3654	.0858	.8160	.6920	505	.600	2.101	-10.5987	10.2348	.4497	.5608
451	-150	2.252	3.4843	3.6863	.6258	.5682	506	.600	2.251	-7.9433	10.5150	.3925	.4772
452	-150	2.403	3.3362	6.1825	.4890	.5254	507	.600	2.402	-6.1513	10.9692	.3874	.5170
453	-150	2.552	3.0018	8.1631	.4243	.4703	508	.600	2.552	-4.6455	11.4409	.3808	.4444
454	-150	2.701	2.7797	9.7016	.3873	.4810	509	.600	2.701	-3.5926	11.9408	.4141	.4367
455	0.000	1.202	-1.3849	-7.866	.6643	.8957	510	.750	1.201	11.4281	11.8367	4.4361	3.4803
456	0.000	1.351	-3.3534	-7.0299	.7791	.7611	511	.750	1.352	.8013	21.1852	5.2732	3.8966
457	0.000	1.501	-5.7885	-3.3869	.6988	.7613	512	.750	1.502	-11.5540	21.5440	5.2179	4.1466
458	0.000	1.652	-6.0539	-8.4978	.7377	.8430	513	.750	1.651	-16.6367	19.2361	3.8676	2.8719
459	0.000	1.802	-4.5577	-5.7589	.7028	.7401	514	.750	1.801	-15.9760	15.8128	1.8719	1.8634
460	0.000	1.951	-2.7910	-2.3428	.6918	.6454	515	.750	1.952	-12.9247	13.7824	.5641	.6746
461	0.000	2.101	-1.1307	1.0357	.6553	.6420	516	.750	2.102	-10.2572	12.7138	.4027	.6238
462	0.000	2.252	.0689	.9441	.4632	.5301	517	.750	2.251	-8.2114	12.4058	.3988	.4826
463	0.000	2.402	.6477	6.2899	.4429	.3987	518	.750	2.401	-6.4766	12.4044	.3755	.4489
464	0.000	2.551	.8876	8.1316	.4422	.4728	519	.750	2.552	-5.0485	12.5589	.3963	.5045
465	0.000	2.701	1.0184	9.6074	.4136	.4434	520	.750	2.702	-4.0789	12.8206	.3818	.5978
466	.150	1.202	7.6185	-3.2409	1.1529	1.2250	521	.900	1.202	-2.1920	14.2049	4.6883	8.7199
467	.150	1.352	1.2167	-10.9297	1.5558	1.6613	522	.900	1.351	-6.5263	21.1932	3.6277	6.1654
468	.150	1.501	-6.4259	-12.1783	1.7267	2.2993	523	.900	1.501	-11.2432	23.1529	2.3913	2.3082
469	.150	1.651	-9.8766	-8.7688	1.0349	1.9022	524	.900	1.652	-13.0163	20.8113	1.8646	.9923
470	.150	1.802	-8.8975	-4.4379	.7195	.9036	525	.900	1.801	-12.7511	18.0154	.7393	.8222
471	.150	1.952	-6.8861	-5.197	.5368	.6065	526	.900	1.951	-11.1045	15.9789	.4500	.6503
472	.150	2.101	-4.7890	2.5315	.4682	.5087	527	.900	2.101	-9.3327	14.6212	.3987	.5056
473	.150	2.251	-3.0306	5.0732	.4883	.4800	528	.900	2.252	-7.7696	13.9300	.3854	.5369
474	.150	2.402	-1.8132	6.9836	.4581	.4848	529	.900	2.401	-6.4069	13.7137	.3489	.5770
475	.150	2.552	-1.0426	8.6033	.4626	.4869	530	.900	2.551	-5.3007	13.6580	.3673	.4852
476	.150	2.701	-4.410	9.8490	.3987	.4362	531	.900	2.701	-4.3583	13.4628	.4083	.4530
477	.300	1.203	16.6491	-5.5581	2.2546	1.4653	532	1.050	1.201	-7.8423	23.4915	1.4803	1.2933
478	.300	1.352	5.4878	-11.1292	4.0343	3.7713	533	1.050	1.351	-8.3447	23.1896	1.2820	.9507
479	.300	1.501	-9.8621	-9.3912	3.6895	4.9601	534	1.050	1.501	-9.6247	22.2484	.7790	.7557
480	.300	1.651	-15.7516	-6.2264	2.0645	3.8613	535	1.050	1.652	-10.2378	20.4408	.6261	.6706
481	.300	1.802	-14.1571	-1.4158	1.0409	1.3775	536	1.050	1.801	-10.2646	18.6002	.4460	.5349
482	.300	1.952	-10.7252	2.1440	.7005	.7502	537	1.050	1.951	-9.3945	16.9655	.4116	.6070
483	.300	2.101	-7.6875	4.5449	.4777	.5449	538	1.050	2.102	-8.3569	15.8628	.3558	.4302
484	.300	2.251	-5.4794	6.5466	.4238	.5788	539	1.050	2.252	-7.1881	15.0942	.3458	.4709
485	.300	2.403	-3.8277	8.1564	.3793	.5462	540	1.050	2.401	-6.2114	14.7336	.4111	.4254
486	.300	2.552	-2.6439	9.3550	.4129	.5049	541	1.050	2.551	-5.2316	14.4361	.3366	.5193
487	.300	2.701	-1.8429	10.4736	.3696	.4288	542	1.050	2.702	-4.9429	14.5203	.5878	1.0102
488	.450	1.202	21.6083	.1247	3.2086	2.5987	543	1.200	1.203	-7.1022	23.3494	.5226	.6444
489	.450	1.352	-10.9224	-3.5005	5.9442	3.8281	544	1.200	1.351	-7.5311	22.6137	.5630	.5010
490	.450	1.501	-15.8118	-3.3421	3.6476	5.6858	545	1.200	1.501	-8.0659	21.5543	.5920	.5884
491	.450	1.651	-19.5803	4.8040	3.3599	4.9635	546	1.200	1.651	-8.3792	20.3081	.4132	.5817
492	.450	1.802	-18.5228	4.1170	1.7701	2.0460	547	1.200	1.802	-8.5922	19.0056	.4501	.5546
493	.450	1.952	-13.5065	5.9872	.6461	.8428	548	1.200	1.952	-7.9149	17.7296	.4366	.5718
494	.450	2.101	-9.7906	7.3697	.4842	.5714	549	1.200	2.101	-7.2638	16.7053	.4021	.5533
495	.450	2.251	-7.0193	8.4839	.3966	.5413	550	1.200	2.251	-6.4975	15.9447	.4595	.4934
551	1.200	2.402	-5.8822	15.5788	.3207	.5112	551	1.200	2.401	-4.3428	15.0711	.4264	.5509
552	1.200	2.552	-5.0567	15.2632	.3852	.5016	552	1.200	2.701				

TEST NUMBER 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
1	-1.300	0.000	-4.9006	21.5030	.5590	.5788	56	-1.200	.051	-4.8278	21.8654	.5549	.7202
2	-1.300	.053	-4.5792	21.5387	.4711	.5690	57	-1.200	.102	-4.1158	20.4015	1.4207	1.7143
3	-1.300	.104	-4.5678	21.5882	.5078	.6146	58	-1.200	.151	-2.7263	14.0470	4.4436	5.7006
4	-1.300	.153	-4.2748	21.8255	.4728	.5111	59	-1.200	.200	-1.5559	8.2046	4.6230	5.1547
5	-1.300	.203	-4.1255	21.8976	.5653	.4993	60	-1.200	.250	-1.2769	4.9228	4.0630	3.2522
6	-1.300	.254	-3.8314	21.8977	.7630	.5735	61	-1.200	.301	-1.7639	4.5654	5.2994	2.9123
7	-1.300	.304	-3.7024	21.8899	.6264	.5927	62	-1.200	.351	-1.6027	3.8252	5.0493	2.7703
8	-1.300	.353	-3.3918	21.9394	1.0269	.7153	63	-1.200	.400	.0764	5.5000	7.0105	3.1360
9	-1.300	.403	-3.0860	22.1387	1.4379	1.1909	64	-1.200	.451	.1857	5.6864	6.5539	3.2617
10	-1.300	.444	-3.1167	21.8425	2.0919	1.5913	65	-1.200	.501	-1.0559	6.6963	7.4346	3.0306
11	-1.300	.500	-2.6931	21.3486	2.3545	1.7112	66	-1.200	.551	-1.3860	6.1421	7.3902	3.3842
12	-1.300	.548	-2.6319	20.7031	3.5255	2.2351	67	-1.200	.600	-.9919	7.0725	6.8028	3.0486
13	-1.300	.600	-2.1121	19.6948	4.2158	2.4733	68	-1.200	.651	-.9780	7.1092	6.4941	3.1649
14	-1.300	.651	-1.7709	18.8987	5.1549	2.7193	69	-1.200	.701	-1.1175	7.6357	5.9788	3.1220
15	-1.300	.700	-1.0977	18.8871	4.7751	3.0508	70	-1.200	.751	-.7674	7.7354	5.7229	3.8289
16	-1.300	.749	-.8961	18.3056	5.4517	2.9971	71	-1.200	.800	-.5264	6.6475	6.1004	3.8944
17	-1.300	.800	-.6237	18.0147	4.9075	3.1628	72	-1.200	.850	-.0776	7.4607	6.8442	3.4802
18	-1.300	.850	-.8387	17.4975	4.8057	3.2195	73	-1.200	.901	.5833	7.3156	6.7181	3.6291
19	-1.300	.900	-.2157	16.8038	4.9292	3.2686	74	-1.200	.951	1.4997	7.3442	7.3295	3.7491
20	-1.300	.949	-.1017	17.0124	5.4252	3.2965	75	-1.200	1.000	.4317	7.7456	6.7464	3.2850
21	-1.300	.999	.4489	16.2490	5.2225	3.1490	76	-1.200	1.050	.0033	7.9615	6.7536	3.7521
22	-1.300	1.050	.9413	16.3771	5.0893	3.4120	77	-1.200	1.101	-.4002	8.0749	6.8522	3.1864
23	-1.300	1.100	.2230	15.8360	5.0055	3.3348	78	-1.200	1.151	-1.2482	8.9971	6.8655	3.0587
24	-1.300	1.149	-.2051	15.2953	6.4154	3.1781	79	-1.200	1.200	-1.5935	9.0388	6.2264	3.0908
25	-1.300	1.199	-.8319	15.9181	6.2677	2.8511	80	-1.200	1.250	-1.6842	10.7635	6.3759	3.8919
26	-1.300	1.250	-.0150	16.6184	5.5501	2.9256	81	-1.200	1.301	-3.3170	11.2558	6.4072	2.7935
27	-1.300	1.299	-.6306	16.4845	6.7944	2.9918	82	-1.150	.001	-.2899	1.0165	1.4088	1.4088
28	-1.250	.001	-4.9800	21.6412	.5814	.4990	83	-1.150	.051	-.0849	.8158	.9946	1.1054
29	-1.250	.049	-4.6987	21.7920	.5641	.4750	84	-1.150	.101	-.0122	-1.4438	1.5677	1.4560
30	-1.250	.101	-4.5591	21.9577	.5399	.5469	85	-1.150	.150	-.5456	-1.1458	1.6424	1.5018
31	-1.250	.152	-4.2980	22.1733	.6574	.5555	86	-1.150	.201	-.3314	-1.4961	1.9934	1.9426
32	-1.250	.201	-4.0694	22.2190	.9148	.5972	87	-1.150	.251	-.7428	-1.3371	2.4870	2.1956
33	-1.250	.250	-3.5519	22.1321	1.0662	.8577	88	-1.150	.300	-1.4913	-2.0063	2.5292	2.0183
34	-1.250	.302	-3.3206	21.5459	2.1691	1.4532	89	-1.150	.350	-1.6319	-1.4530	2.8745	2.5404
35	-1.250	.352	-2.8074	19.4236	4.7541	2.8060	90	-1.150	.401	-2.2115	-2.1991	3.0619	2.3571
36	-1.250	.401	-1.9947	16.8962	6.3000	3.4286	91	-1.150	.451	-2.9017	-.7923	2.4948	2.1551
37	-1.250	.450	-1.4944	16.5130	5.8701	3.3516	92	-1.150	.500	-3.1586	-.7017	2.9228	2.5042
38	-1.250	.501	-1.0961	16.3372	6.8784	3.2073	93	-1.150	.550	-2.3619	.0997	3.9062	2.5090
39	-1.250	.552	-1.3079	14.0929	5.9325	3.3668	94	-1.150	.601	-2.0438	1.7533	5.1561	2.8728
40	-1.250	.601	-.8039	14.1314	6.5464	3.2579	95	-1.150	.651	-1.7499	1.3878	4.4801	2.9703
41	-1.250	.650	-.3556	14.8076	6.3182	3.5276	96	-1.150	.700	-1.8764	2.3971	5.1159	3.3060
42	-1.250	.701	-.4868	13.2450	6.2962	3.3955	97	-1.150	.750	-1.6817	2.3648	5.4206	3.6683
43	-1.250	.752	-.2520	13.1976	5.6376	3.5560	98	-1.150	.801	-.3848	3.0639	6.3448	3.9639
44	-1.250	.801	-.0987	12.5276	7.0218	3.6806	99	-1.150	.851	.9067	4.0285	6.7883	3.8787
45	-1.250	.850	-.0752	12.3298	6.4763	4.0929	100	-1.150	.900	.2944	2.8540	6.4792	4.1022
46	-1.250	.901	.0344	11.7919	6.2021	3.9541	101	-1.150	.949	-.2051	3.9099	6.4733	3.6902
47	-1.250	.951	1.1333	12.5392	6.4289	3.4719	102	-1.150	1.001	-.4343	4.1643	3.9929	3.4914
48	-1.250	1.001	-.1920	10.6067	6.6368	3.4013	103	-1.150	1.050	-.4510	4.6460	6.9906	3.9312
49	-1.250	1.050	.1542	12.0693	6.3216	3.1435	104	-1.150	1.100	-.7214	5.0779	6.7539	3.6344
50	-1.250	1.101	.5965	12.3073	6.8895	3.2592	105	-1.150	1.149	-3.0425	5.8452	6.4729	3.6509
51	-1.250	1.151	-.0457	12.2599	6.4241	3.2063	106	-1.150	1.201	-3.4348	7.3390	6.8491	3.4040
52	-1.250	1.200	-.2342	12.9210	6.6727	2.7214	107	-1.150	1.250	-3.8514	8.4933	6.0866	3.5463
53	-1.250	1.250	-1.4500	12.2789	6.4388	3.0718	108	-1.150	1.300	-5.0078	9.6313	5.9143	3.5380
54	-1.250	1.301	-1.5182	13.9352	7.0369	2.8963	109	-1.100	.351	-.1513	-1.2907	2.2481	1.9095
55	-1.200	0.000	-5.1057	21.8597	.5269	.5315	110	-1.100	.400	-2.0011	-1.9116	2.4600	1.8123



TEST NUMBER 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
111	-1.100	.450	-2.7661	-2.2433	2.1779	1.6138	166	-.950	.899	.0094	-2.7923	4.2141	3.7600
112	-1.100	.501	-3.4166	-2.1660	2.0049	1.7323	167	-.950	.951	-3.0558	-2.8375	3.9048	4.2777
113	-1.100	.551	-3.0998	-1.8394	1.9624	2.1903	168	-.950	1.001	-6.1001	-.9230	3.7319	4.0356
114	-1.100	.600	-2.9221	-1.3835	1.8242	2.5713	169	-.950	1.050	-7.6312	-1.1195	2.9639	3.2098
115	-1.100	.650	-1.8923	-1.7416	3.0657	3.1190	170	-.950	1.099	-9.7472	1.4945	2.0894	2.0735
116	-1.100	.701	-1.5823	-1.3674	4.0323	3.4791	171	-.950	1.151	-10.0953	3.0904	1.9750	1.7527
117	-1.100	.751	-1.4667	-1.6086	4.3572	3.1368	172	-.950	1.201	-10.8190	4.3152	1.6324	1.6324
118	-1.100	.800	-.3852	-1.1803	5.1505	3.4488	173	-.950	1.250	-11.1473	5.4373	1.3323	1.3323
119	-1.100	.849	-.9659	-2.0648	5.5662	3.5347	174	-.950	1.299	-11.9038	6.9069	1.6636	1.6636
120	-1.100	.901	-.8489	-.9816	6.3642	3.7497	175	-.900	.751	-11.6308	-.5896	2.2100	2.4813
121	-1.100	.951	-.4316	-.6954	6.2657	4.2852	176	-.900	.800	1.3565	-.8651	2.6422	3.3553
122	-1.100	1.000	-1.2043	1.0482	6.3900	3.8031	177	-.900	.849	.8191	-2.0418	3.1514	3.2280
123	-1.100	1.049	-2.5642	1.5632	6.6108	3.7164	178	-.900	.901	-1.0317	-1.7480	3.5325	4.1452
124	-1.100	1.101	-4.2740	2.6946	5.9232	3.8091	179	-.900	.951	-4.5628	-1.2902	4.4739	3.7459
125	-1.100	1.151	-4.7095	3.9813	5.7763	3.7844	180	-.900	1.000	-6.2718	-.4285	3.6803	3.2946
126	-1.100	1.200	-4.9713	5.5258	5.3969	3.8556	181	-.900	1.049	-6.3393	-.7407	3.5547	2.7960
127	-1.100	1.249	-6.1126	6.4814	4.5246	3.3624	182	-.900	1.101	-10.6032	2.3358	2.1232	1.7546
128	-1.100	1.301	-7.1940	8.3305	3.7164	3.764	183	-.900	1.151	-11.2547	3.0946	1.2127	1.5035
129	-1.050	0.000	9.5890	18.9919	12.334	6.7235	184	-.900	1.200	-11.8280	3.9750	1.1147	1.3490
130	-1.050	.501	-2.7436	-2.8484	1.6749	1.6974	185	-.900	1.249	-12.1682	4.9012	1.4303	1.2691
131	-1.050	.550	-3.1702	-2.6897	1.9403	2.1356	186	-.900	1.301	-13.0837	5.7586	1.5888	1.4447
132	-1.050	.600	-3.0138	-2.8769	2.3499	2.4214	187	-.850	.801	1.4902	.7525	2.2850	2.7445
133	-1.050	.651	-2.8390	-2.6348	2.4496	2.4341	188	-.850	.853	1.8066	.4292	2.4376	3.2840
134	-1.050	.701	-1.5690	-3.4369	2.6366	3.1166	189	-.850	.903	-1.6016	.9050	3.0685	3.1348
135	-1.050	.750	-1.2020	-2.9947	4.0521	3.3453	190	-.850	.952	-4.7243	-.2335	3.8186	2.7231
136	-1.050	.800	-.2100	-3.4855	4.4995	3.8370	191	-.850	1.002	-7.7350	.8377	3.7785	2.3814
137	-1.050	.851	-.9151	-2.9355	4.4206	3.4805	192	-.850	1.053	-9.8307	1.4428	3.2550	1.8421
138	-1.050	.900	-.8284	-3.0506	5.0436	3.9051	193	-.850	1.103	-11.6362	2.1565	1.7092	1.4857
139	-1.050	.949	-2.5360	-2.4995	5.2170	4.5762	194	-.850	1.152	-12.1976	2.9251	1.0463	1.1521
140	-1.050	1.000	-2.6827	-1.4728	5.1767	3.6765	195	-.850	1.203	-12.5107	3.4854	1.0901	1.1486
141	-1.050	1.051	-4.2275	-.3936	4.8773	3.7709	196	-.850	1.253	-13.1574	4.2454	1.4241	1.4241
142	-1.050	1.100	-6.4054	1.7662	4.8486	3.8568	197	-.850	1.303	-13.8857	4.2534	1.6856	1.7324
143	-1.050	1.149	-7.3510	2.9473	3.4392	2.8494	198	-.800	.850	1.6949	2.8029	2.3999	2.5750
144	-1.050	1.200	-6.7445	4.6148	3.4528	3.1442	199	-.800	.902	-.7977	2.1612	3.5098	2.4495
145	-1.050	1.251	-8.6647	6.1121	3.0199	2.9157	200	-.800	.952	-4.0695	1.6715	4.3767	2.4119
146	-1.050	1.300	-8.8629	7.5528	2.1634	1.9711	201	-.800	1.002	-7.8998	.8251	3.9525	2.4571
147	-1.000	.601	-3.0115	-3.1125	1.9051	2.1829	202	-.800	1.051	-10.3882	1.4312	2.6226	1.5786
148	-1.000	.651	-2.0464	-3.1004	2.2034	2.7572	203	-.800	1.103	-11.6755	1.9331	1.5784	1.3764
149	-1.000	.700	-1.5603	-3.2334	2.8155	3.2774	204	-.800	1.154	-12.3862	2.5948	1.0310	1.1149
150	-1.000	.749	-.0617	-3.9342	2.8751	3.2145	205	-.800	1.201	-12.8285	2.8055	.8385	1.0992
151	-1.000	.801	-.5984	-4.1811	3.5503	3.5297	206	-.800	1.250	-13.9108	3.1068	1.0538	1.1810
152	-1.000	.851	-.0794	-4.4121	4.0197	3.3848	207	-.800	1.301	-14.4166	3.4861	1.6091	1.3981
153	-1.000	.900	-.7385	-4.0136	4.0238	4.0201	208	-.750	.901	.5035	3.6025	2.8228	1.9314
154	-1.000	.949	-1.7796	-3.2747	4.2599	4.3234	209	-.750	.951	-3.2529	1.6470	4.0164	2.2615
155	-1.000	1.000	-4.5587	-2.3181	3.8030	4.4899	210	-.750	1.001	-8.1069	.2255	4.2877	2.4914
156	-1.000	1.050	-6.7236	-.5763	3.2957	3.7892	211	-.750	1.050	-10.3188	1.6594	3.1718	1.5997
157	-1.000	1.100	-8.6780	1.3525	2.7663	2.6494	212	-.750	1.101	-12.1005	1.7772	1.1854	1.1877
158	-1.000	1.149	-8.8538	2.7633	1.8809	2.5529	213	-.750	1.152	-12.5723	1.8068	.8324	1.0307
159	-1.000	1.200	-9.1252	4.5984	2.2774	1.8145	214	-.750	1.201	-13.1849	1.9011	.8150	1.0976
160	-1.000	1.250	-9.9869	5.7187	1.5919	1.7606	215	-.750	1.250	-14.1140	2.3017	1.2201	1.3772
161	-1.000	1.300	-10.5965	7.4562	1.5657	1.7445	216	-.750	1.301	-14.9512	2.2623	1.3851	1.6466
162	-.950	.699	-1.3885	-2.8463	2.0152	2.6829	217	-.700	.950	-1.9828	1.2091	4.7977	1.9619
163	-.950	.751	-.0484	-2.6734	2.5469	3.6065	218	-.700	1.001	-1.7062	.3360	4.3088	2.4000
164	-.950	.801	-.4297	-3.4081	2.8067	3.6865	219	-.700	1.051	-7.0651	1.0651	2.8315	1.5010
165	-.950	.850	-.1836	-3.9393	3.3024	3.4274	220	-.700	1.100	-11.8320	1.1471	.8969	.8719

TEST NUMBER 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	W	VS	MS	NO.	Y	Z	V	W	VS	MS
221	-700	1.150	-12.7992	1.2638	.8563	.9160	276	-150	1.201	-2.7920	-2.6025	1.0295	1.1934
222	-700	1.201	-13.4688	1.1439	.8006	.9914	277	-150	1.251	-2.7058	-4.8320	1.0193	1.1752
223	-700	1.251	-14.3294	1.1629	1.2252	1.4666	278	-150	1.300	-3.2597	-6.7525	.9965	1.0672
224	-700	1.300	-14.9536	.7749	1.2826	1.3544	279	-100	1.202	-.0265	-2.4486	1.3744	1.2131
225	-650	1.001	-7.3360	.5192	5.3466	2.9956	280	-100	1.251	-.0336	-4.8803	1.5274	1.2800
226	-650	1.050	-10.8400	.5725	1.5744	1.3132	281	-100	1.300	-.9195	-7.2180	1.0823	1.2300
227	-650	1.101	-11.6889	.7088	1.0882	1.0313	282	-.950	1.201	3.4537	-2.4349	1.2808	1.2886
228	-650	1.152	-12.4425	.4778	.9153	.9203	283	-.950	1.251	2.9766	-5.2303	1.2406	1.2351
229	-650	1.201	-13.3193	.1303	.9426	1.1415	284	-.950	1.301	1.9808	-7.7232	1.5158	1.3857
230	-650	1.250	-14.1323	-.0426	1.2057	1.2483	285	0.000	1.201	7.9695	-2.4051	1.6472	1.2571
231	-650	1.301	-15.3149	-.1453	1.2780	1.6194	286	0.000	1.250	6.0595	-5.5363	1.6031	1.4959
232	-600	1.001	-6.2921	.1108	5.2393	2.9016	287	0.000	1.301	4.5345	-8.4322	1.9406	1.5737
233	-600	1.051	-10.7784	.1351	1.2556	.9676	288	0.000	1.201	6.7756	-2.1401	1.7354	1.2338
234	-600	1.101	-11.4273	.0996	.8600	.8082	289	0.000	1.250	6.2108	-5.5333	1.6868	1.2720
235	-600	1.150	-12.2555	-.2110	.9277	.8811	290	0.000	1.301	5.0889	-8.1643	1.8121	1.6252
236	-600	1.201	-13.0688	-.6438	.8801	.8987	291	.049	1.201	10.0149	-2.7401	1.7803	1.1428
237	-600	1.251	-13.6703	-.9009	1.0943	1.3163	292	.050	1.251	9.3742	-5.7202	2.0704	1.4604
238	-600	1.301	-14.5593	-1.8879	1.1967	1.2884	293	.050	1.301	7.8019	-8.4203	2.1432	1.6015
239	-550	1.051	-10.9780	-.3461	.9950	.7094	294	.100	1.200	13.0515	-2.9675	1.7185	1.1239
240	-550	1.101	-11.2966	-.5251	1.0130	.8263	295	.100	1.251	11.6660	-5.5322	2.1461	1.4847
241	-550	1.151	-12.1064	-.8478	.9099	.8114	296	.100	1.302	9.7379	-8.0600	2.6061	.9679
242	-550	1.200	-12.7236	-1.3600	.8699	.8593	297	.150	1.202	15.1058	-3.4641	2.2993	1.4324
243	-550	1.251	-13.5460	-2.1068	1.0191	1.1233	298	.150	1.251	14.2973	-5.5292	2.5514	1.7241
244	-550	1.301	-14.2575	-2.5158	1.3151	1.2662	299	.150	1.300	12.4510	-7.4935	3.0400	2.1895
245	-500	1.101	-11.3954	-.1545	.8107	.7897	300	.200	1.201	17.7048	-3.2260	1.9838	1.4314
246	-500	1.151	-11.6997	-1.2899	.8668	.8061	301	.200	1.252	15.4703	-5.0542	2.7953	1.7909
247	-500	1.200	-12.2284	-1.9501	.9244	.7605	302	.200	1.301	14.2425	-7.0012	3.1560	2.6425
248	-500	1.250	-12.8179	-2.8321	1.0543	.7605	303	.250	1.153	19.7699	-1.8128	1.7150	1.4066
249	-500	1.301	-13.6591	-3.5022	1.0609	1.0831	304	.250	1.201	19.0583	-2.9190	2.2063	1.5830
250	-450	1.101	-10.8754	-1.3185	.9109	.7342	305	.250	1.251	17.8770	-3.7716	3.0249	1.9232
251	-450	1.151	-11.1003	-1.7512	.9426	.7751	306	.250	1.302	15.4790	-5.0872	3.4884	2.4744
252	-450	1.201	-11.5896	-2.6262	.8317	.9648	307	.300	1.152	20.4194	-1.7044	1.7867	1.6540
253	-450	1.250	-12.0810	-3.3422	.8234	.8513	308	.300	1.201	20.1777	-2.4639	2.0803	1.9024
254	-450	1.301	-12.4310	-4.4783	1.1121	1.1668	309	.300	1.250	19.2799	-2.5857	2.6016	1.9628
255	-400	1.101	-10.6075	-1.5144	.9349	.7486	310	.300	1.301	16.9084	-4.0314	3.7501	2.6732
256	-400	1.151	-10.4032	-1.9976	.8823	.7030	311	.350	1.152	20.6908	-.2923	1.9869	1.7749
257	-400	1.201	-10.6333	-2.8353	.8849	.7980	312	.350	1.202	20.9417	-.8323	2.6729	1.7756
258	-400	1.250	-10.9900	-3.8864	.9940	.8519	313	.350	1.251	20.6641	-.9759	2.7798	2.7005
259	-400	1.301	-11.3203	-5.0363	.9627	.8993	314	.350	1.300	18.2147	-2.0568	3.9841	3.3474
260	-350	1.152	-9.5096	-1.9322	.7996	.7996	315	.400	1.101	19.6305	.8805	1.2611	2.1694
261	-350	1.201	-9.5166	-2.9917	1.0352	.8552	316	.400	1.152	21.0438	1.2038	1.6209	2.0182
262	-350	1.250	-9.7821	-4.1458	.8499	.7950	317	.400	1.201	21.5957	1.3622	2.3822	2.3074
263	-350	1.300	-9.9986	-5.4138	.8269	.9022	318	.400	1.251	20.8608	.9731	2.3822	2.3653
264	-300	1.150	-8.8330	-1.5798	.8864	.7504	319	.400	1.301	19.1236	1.1546	4.1037	3.2299
265	-300	1.201	-8.2393	-2.9454	.9398	.8756	320	.450	1.101	19.3877	2.3956	1.3660	2.6377
266	-300	1.251	-8.2893	-4.4084	1.0363	.8740	321	.450	1.152	20.9208	2.7470	1.8342	1.8804
267	-300	1.301	-8.5920	-5.8420	.9170	.8045	322	.450	1.201	21.5986	3.1248	2.2854	2.4107
268	-250	1.151	-7.2874	-1.2097	.8094	.7355	323	.450	1.250	21.4182	2.9315	3.0689	2.9564
269	-250	1.200	-6.6016	-2.8050	1.0485	.7797	324	.450	1.301	19.6872	3.9991	3.5915	3.0651
270	-250	1.251	-6.9160	-4.5761	.9633	.8225	325	.500	1.102	18.7705	3.4049	2.2929	3.3334
271	-250	1.301	-6.7010	-6.1683	1.1438	.8440	326	.500	1.151	20.6431	4.3272	1.7789	2.0108
272	-200	1.152	-5.1625	-7.1162	1.1442	1.1246	327	.500	1.200	21.2241	5.2350	2.3395	2.5854
273	-200	1.201	-4.8153	-2.7166	.9660	.8136	328	.500	1.252	21.4077	5.9625	3.3163	3.2130
274	-200	1.250	-4.8420	-4.5474	.9081	.9491	329	.500	1.302	19.5790	6.6487	3.2511	3.0532
275	-200	1.301	-5.1836	-6.3574	.9742	1.0117	330	.550	1.053	1.3447	3.4278	4.3214	7.6802

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VORTEX ASYMMETRY DEVELOPMENT ON A TANGENT OGIVE(U)

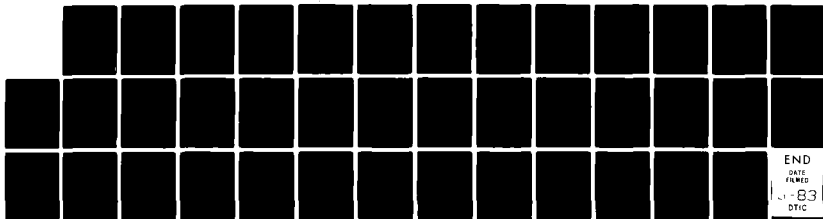
NAVAL SURFACE WEAPONS CENTER SILVER SPRING MD

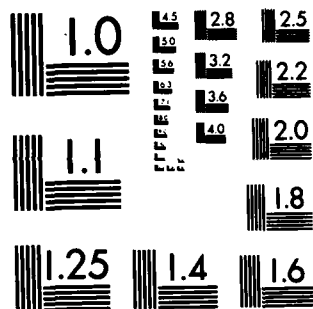
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UNCLASSIFIED





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

TEST NUMBER 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
331	.550	1.102	14.3167	5.6218	4.4667	6.6118	386	.850	1.252	5.0055	8.6162	6.2447	5.9828
332	.550	1.151	19.5602	6.0823	4.5990	2.8546	387	.850	1.302	5.0863	11.2846	6.6052	6.0571
333	.550	1.201	20.6644	7.0643	2.0152	2.2395	388	.900	.752	5.3637	-3.6953	3.3437	3.7075
334	.550	1.252	20.2189	8.2071	2.8173	3.5736	389	.900	.802	4.4941	-4.1982	4.4797	3.1173
335	.550	1.302	18.9329	9.0638	3.4030	3.2919	390	.900	.851	2.6214	-6.3673	4.7349	4.5530
336	.600	1.002	-4.7467	6.4960	3.0765	3.1460	391	.900	.901	.9822	-6.8791	5.3684	5.5174
337	.600	1.051	1.7199	4.7164	3.0951	6.4585	392	.900	.952	-7.960	-6.2011	6.0409	6.6904
338	.600	1.101	15.0642	5.8625	3.5669	5.6048	393	.900	1.002	-5.5218	-7.6524	5.4388	6.1884
339	.600	1.152	19.3892	7.6255	2.0826	2.4701	394	.900	1.051	-1.6746	-5.0598	4.7686	7.7991
340	.600	1.202	19.7024	8.4253	2.1778	2.4598	395	.900	1.101	-3.4492	-1.2942	6.5131	8.0725
341	.600	1.251	18.9051	10.3645	2.8238	2.5951	396	.900	1.152	-1.5749	1.4221	6.7848	8.2086
342	.600	1.301	17.3023	11.9313	3.0153	3.2119	397	.900	1.202	-1.7086	5.9225	6.7562	8.7867
343	.650	1.001	-3.9993	6.1877	4.4438	3.5159	398	.900	1.251	1.5889	8.6513	6.3633	7.5997
344	.650	1.052	3.9243	4.2640	5.0819	6.9814	399	.900	1.301	-3.028	11.0666	5.7442	6.9032
345	.650	1.101	12.7222	5.1820	4.2605	6.3166	400	.950	.701	6.2849	-3.2456	2.8557	3.3026
346	.650	1.151	18.6184	8.3694	3.1392	3.6037	401	.950	.752	6.0013	-2.8306	3.6633	3.4832
347	.650	1.201	18.4604	9.7000	2.5922	2.3517	402	.950	.802	5.2429	-3.2289	4.3146	4.7170
348	.650	1.252	17.6068	11.1444	2.6193	2.7398	403	.950	.851	2.8056	-3.1082	5.5285	5.9714
349	.650	1.301	15.7178	13.2387	2.7563	3.1471	404	.950	.901	1.6677	-3.7129	5.9048	6.9487
350	.700	.952	-6.5632	2.8624	4.6194	3.2958	405	.950	.952	-1.3988	-3.6230	6.3490	7.9198
351	.700	1.000	-4.3171	3.6604	6.2995	3.6658	406	.950	1.002	-2.5169	-3.9591	5.0724	8.9844
352	.700	1.051	4.0204	2.8812	6.1076	5.6778	407	.950	1.051	-2.9667	-1.9764	5.8289	9.7483
353	.700	1.102	12.0348	2.8113	6.5702	6.4869	408	.950	1.101	-3.6196	1.5058	5.3583	9.3331
354	.700	1.151	16.0668	6.0944	4.2170	3.2008	409	.950	1.152	4.4827	5.3473	5.1545	9.7971
355	.700	1.200	17.3309	9.3383	3.0486	2.5876	410	.950	1.202	-4.4440	8.0917	5.6937	9.3574
356	.700	1.251	15.4775	11.7386	2.9003	2.8441	411	.950	1.251	-4.3993	10.7990	4.4577	8.3523
357	.700	1.302	13.2779	13.8033	2.8638	3.1366	412	.950	1.301	-3.7698	13.5833	4.5720	7.7206
358	.750	.901	-3.5325	.9291	4.7585	3.8489	413	1.000	.604	4.4853	-1.6653	1.7557	3.3816
359	.750	.952	-4.9166	-7.698	6.2808	4.2586	414	1.000	.651	4.3441	-1.1772	2.1477	3.7516
360	.750	1.001	-3.8730	-2.4631	6.4402	5.7769	415	1.000	.701	5.8098	-3.9919	3.8675	3.6927
361	.750	1.050	2.4558	-1.8502	7.3411	5.7098	416	1.000	.752	4.5120	-6.116	3.7836	4.4535
362	.750	1.101	9.3551	.8746	6.6614	5.4907	417	1.000	.802	4.6182	-1.677	3.9805	6.1559
363	.750	1.152	12.7435	5.0078	5.7484	5.3558	418	1.000	.851	2.9775	2.4164	4.3897	6.8735
364	.750	1.201	14.4217	8.3346	3.4822	3.4532	419	1.000	.901	.8957	1.9098	5.1432	7.1064
365	.750	1.251	12.8746	11.3016	3.0091	2.7747	420	1.000	.952	-3.2712	4.5682	6.8827	8.0164
366	.750	1.301	11.3734	14.0479	3.0743	2.8474	421	1.000	1.002	-3.9815	6.2850	5.6357	9.6246
367	.800	.851	.0709	-2.2251	4.3572	3.8257	422	1.000	1.051	-7.0305	8.9965	5.2426	7.5468
368	.800	.901	-1.8864	-3.5410	4.9921	4.3258	423	1.000	1.101	-7.2407	10.0190	4.2595	9.1106
369	.800	.952	-4.2451	-4.9966	5.2024	4.9245	424	1.000	1.152	-8.3021	12.1116	4.0196	8.7317
370	.800	1.002	-7.7222	-5.2563	5.6543	5.8346	425	1.000	1.202	-8.8514	14.6541	3.2437	7.9773
371	.800	1.051	.4268	-4.3145	7.2748	6.0652	426	1.000	1.251	-5.7706	14.5979	3.0878	8.4621
372	.800	1.101	7.0026	-2.8217	7.3771	6.4861	427	1.000	1.301	-6.8134	17.7130	2.8341	7.8583
373	.800	1.152	7.5955	.7171	6.9398	5.8881	428	1.050	.502	1.1370	.3090	2.1729	2.9773
374	.800	1.202	9.2810	5.8792	6.3455	4.6619	429	1.050	.551	3.3625	-3.3580	1.9091	3.0226
375	.800	1.251	7.6346	9.5193	7.3445	5.0106	430	1.050	.601	4.0094	-5.5874	1.8631	3.3553
376	.800	1.301	7.5427	12.9860	5.5437	3.7722	431	1.050	.652	4.4790	.8781	2.5647	3.6305
377	.850	.801	2.6357	-3.6617	4.1373	3.3661	432	1.050	.702	4.7029	1.1163	3.9984	4.0724
378	.850	.852	1.5048	-4.5458	5.1154	4.3466	433	1.050	.751	3.7108	4.2406	3.3147	5.0644
379	.850	.902	-1.0157	-6.0690	4.9930	5.1183	434	1.050	.801	2.0715	7.3215	3.4306	5.8882
380	.850	.951	-3.4260	-7.2807	5.1006	5.5904	435	1.050	.852	.8143	9.3568	3.7878	7.5517
381	.850	1.001	-1.2503	-7.4985	5.5986	5.6042	436	1.050	.902	-2.0802	12.7823	3.6095	6.4601
382	.850	1.052	-1.0982	-5.6791	6.4847	7.7542	437	1.050	.951	-3.8572	13.1264	4.5215	7.6696
383	.850	1.102	1.4670	-3.3176	7.4576	8.0437	438	1.050	1.001	-7.0648	15.8398	4.1906	6.6854
384	.850	1.151	3.3275	.0589	8.3271	7.6288	439	1.050	1.052	-9.7644	17.7676	3.9472	6.3363
385	.850	1.201	2.8324	4.5331	7.2934	7.4957	440	1.050	1.102	-10.4844	19.1346	3.8497	6.0655

TEST NUMBER 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
441	1.050	1.151	-10.2161	19.7635	2.9242	5.6886	496	1.200	.401	-.4385	28.3637	.5884	.8067
442	1.050	1.201	-10.5324	20.5282	2.3913	4.5912	497	1.200	.450	-.9095	28.3823	.8045	1.0394
443	1.050	1.252	-9.0085	20.2598	2.5607	4.8319	498	1.200	.501	-1.1843	28.4291	1.0335	1.5260
444	1.050	1.301	-9.0666	21.8635	1.8222	4.0082	499	1.200	.551	-1.5681	27.8819	1.4367	2.1342
445	1.100	.401	.5544	.2372	1.4027	1.7837	500	1.200	.600	-1.9466	27.7605	1.4507	2.4244
446	1.100	.452	1.0426	-.6265	2.1632	2.9023	501	1.200	.650	-2.0969	27.6442	1.5496	1.9332
447	1.100	.502	2.0291	-1.1552	2.3946	2.8555	502	1.200	.701	-2.9270	28.1764	1.5507	2.0336
448	1.100	.551	2.4106	.1818	2.6586	3.5889	503	1.200	.751	-3.1597	28.1966	1.5639	2.2746
449	1.100	.601	3.0163	2.6977	2.8192	4.0323	504	1.200	.800	-4.0000	28.6423	1.5540	2.1949
450	1.100	.652	2.1010	5.1537	2.7747	4.6430	505	1.200	.850	-4.7212	28.5647	1.3648	1.9049
451	1.100	.702	1.8727	8.1308	2.8795	5.6689	506	1.200	.901	-5.5663	28.2130	1.5332	2.0871
452	1.100	.751	1.0791	10.3420	3.3768	6.9552	507	1.200	.951	-6.7108	28.2016	1.2677	1.2812
453	1.100	.801	.2236	13.4701	2.9948	7.3517	508	1.200	1.000	-7.3967	27.6966	1.1095	1.5019
454	1.100	.852	-1.3889	16.4427	3.8763	6.5742	509	1.200	1.050	-7.9741	26.8416	1.5116	1.2069
455	1.100	.902	-4.0709	18.5091	3.6119	7.5774	510	1.200	1.101	-8.4373	26.0969	1.2821	1.2050
456	1.100	.950	-5.3750	19.6796	3.4391	7.2053	511	1.200	1.151	-8.8226	25.3964	.9169	1.1699
457	1.100	1.000	-7.4760	22.2760	3.3453	6.3455	512	1.200	1.200	-8.6678	24.8718	.9286	1.2846
458	1.100	1.051	-8.4141	23.5307	2.8749	5.2342	513	1.200	1.249	-8.6658	24.3026	.8718	1.1229
459	1.100	1.101	-10.0828	23.6363	2.6339	4.3267	514	1.200	1.301	-8.3977	23.9311	.9937	1.0442
460	1.100	1.150	-10.6516	23.7247	2.3578	3.0046	515	1.250	.001	3.2772	27.9357	.4844	.5915
461	1.100	1.200	-10.6585	23.6428	1.8758	2.3855	516	1.250	.049	2.8406	27.9812	.4844	.5823
462	1.100	1.251	-9.5844	22.8447	1.3675	2.4371	517	1.250	.100	2.3978	28.0666	.4939	.6907
463	1.100	1.301	-9.0071	23.0161	1.4898	2.2999	518	1.250	.151	1.7372	28.1251	.4671	.5964
464	1.150	.150	.2442	1.4123	1.0565	.9653	519	1.250	.201	1.4455	28.1143	.4604	.5964
465	1.150	.200	.1694	1.5088	.9770	1.0100	520	1.250	.249	.9329	28.1659	.4904	.6771
466	1.150	.251	.2241	1.6498	1.2201	1.2844	521	1.250	.300	.4369	28.1821	.6283	.6715
467	1.150	.301	.0695	2.0768	1.3538	1.3039	522	1.250	.351	.1734	28.1083	.5036	.6132
468	1.150	.350	.2947	2.8811	1.5301	1.2752	523	1.250	.401	-.3171	28.0225	.4579	.6266
469	1.150	.400	.7239	3.7993	2.0833	3.2885	524	1.250	.450	-.8510	28.0235	.5113	.7157
470	1.150	.451	1.0122	5.2058	2.6527	4.3268	525	1.250	.500	-1.2396	27.9641	.5159	.7374
471	1.150	.501	.3083	8.8194	3.4632	5.6326	526	1.250	.551	-1.5338	27.8513	.5911	.7584
472	1.150	.550	-.3505	12.3493	3.4726	8.2315	527	1.250	.601	-2.0036	27.9348	.5760	.7995
473	1.150	.600	-1.1702	14.7315	3.7938	7.9076	528	1.250	.649	-2.2832	27.9691	.6735	.8430
474	1.150	.651	-1.4927	18.2663	3.3003	7.4790	529	1.250	.700	-2.7775	27.9690	.8436	.7418
475	1.150	.701	-2.3991	20.4781	3.6462	7.1752	530	1.250	.751	-3.1430	28.2200	.9759	1.0327
476	1.150	.750	-1.2769	21.7484	3.3883	6.4963	531	1.250	.801	-3.9072	28.0663	.8572	.8487
477	1.150	.800	-2.5108	22.7704	3.1645	7.5650	532	1.250	.849	-4.3900	28.0472	.8751	.9182
478	1.150	.851	-3.3036	24.0987	3.2194	6.1801	533	1.250	.900	-5.3345	27.7940	.7775	.9247
479	1.150	.901	-5.3811	25.9151	2.2828	5.1006	534	1.250	.951	-6.0966	27.5655	.8664	.8930
480	1.150	.950	-6.7683	26.7651	2.6526	4.3863	535	1.250	1.001	-6.9320	27.1037	.8500	.8544
481	1.150	1.000	-7.7981	27.3534	2.2869	2.8379	536	1.250	1.049	-7.3545	26.6363	.9962	.8996
482	1.150	1.051	-9.0803	26.7171	1.8779	2.2520	537	1.250	1.100	-7.7719	26.0178	.7811	.8722
483	1.150	1.101	-9.5670	26.1464	1.6193	1.9022	538	1.250	1.151	-8.9043	25.4208	.8457	.8131
484	1.150	1.150	-9.4644	25.2254	1.4590	1.8099	539	1.250	1.201	-7.81253	25.0042	.7836	.8001
485	1.150	1.200	-9.3555	24.6339	1.3400	1.6563	540	1.250	1.249	-7.9921	24.4521	.8028	.9802
486	1.150	1.251	-8.9812	23.9926	1.1622	1.6507	541	1.250	1.300	-7.9778	24.0772	.6702	.8958
487	1.150	1.301	-8.5954	23.7200	1.2308	1.7985	542	1.300	.001	3.1604	27.5104	.5555	.5824
488	1.200	.001	3.1543	28.4854	.5161	.6150	543	1.300	.049	2.7431	27.6141	.4931	.5977
489	1.200	.050	2.8142	28.2978	.5340	.5220	544	1.300	.101	2.3355	27.4305	.5469	.5777
490	1.200	.101	2.4166	28.4939	.4625	.6420	545	1.300	.151	1.6871	27.8737	.5538	.6230
491	1.200	.151	1.8943	28.5455	.6090	.6648	546	1.300	.200	1.3595	27.6949	.5480	.5379
492	1.200	.200	1.3929	28.4627	.4595	.7451	547	1.300	.249	1.0797	27.7036	.3658	.6140
493	1.200	.250	1.0285	28.4380	.4569	.8369	548	1.300	.301	.5580	27.6604	.5061	.7007
494	1.200	.301	.5096	28.4523	.4422	.7312	549	1.300	.351	.0533	27.7601	.4259	.6843
495	1.200	.351	.1004	28.4427	.4916	.6583	550	1.300	.400	-.3929	27.6641	.5133	.6988

TEST NUMBER 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	M	VS	NS	NO.	Y	Z	V	M	VS	NS
551	1.300	.449	-7.857	27.5408	.4537	.6324	606	-1.500	4.001	4.5235	16.4330	.7128	.3933
552	1.300	.501	-1.2460	27.6482	.4716	.5861	607	-1.349	1.350	-0.8737	19.5973	4.5217	2.4672
553	1.300	.551	-1.4631	27.5200	.4968	.6649	608	-1.349	1.451	-1.5619	19.4634	5.4466	2.9664
554	1.300	.600	-1.9329	27.4871	.6104	.6553	609	-1.349	1.600	-1.7280	20.4976	5.3896	2.9963
555	1.300	.649	-2.3878	27.4855	.6809	.7140	610	-1.349	1.749	-1.1925	21.8696	4.6745	2.9667
556	1.300	.701	-2.8803	27.4413	.6508	.6728	611	-1.349	1.900	-1.7608	24.4807	4.5181	3.0748
557	1.300	.751	-3.5253	27.6053	.6086	.6140	612	-1.349	2.051	3.8154	25.4246	4.1152	2.5585
558	1.300	.800	-3.7159	27.5331	.6056	.7764	613	-1.349	2.201	5.9058	25.5573	3.8374	2.8397
559	1.300	.849	-4.3156	27.4584	.7686	.7030	614	-1.349	2.349	8.3612	24.5910	2.3224	2.1171
560	1.300	.900	-5.0267	27.2644	.7308	.7121	615	-1.349	2.500	9.9603	22.9100	1.8820	2.0127
561	1.300	.951	-5.6708	26.9731	.7090	.7211	616	-1.349	2.651	10.3225	21.5044	.8225	1.1041
562	1.300	1.000	-6.2851	26.6862	.6804	.6728	617	-1.349	2.801	10.1641	20.0317	.9965	.7909
563	1.300	1.049	-6.6593	26.0278	.6807	.5871	618	-1.349	2.949	9.5488	18.9650	.7544	.6698
564	1.300	1.101	-7.0016	25.5876	.7128	.7664	619	-1.349	3.100	8.7656	17.9526	.7112	.4459
565	1.300	1.151	-7.2897	25.2987	.6463	.6267	620	-1.349	3.251	7.9234	17.2158	.5985	.3984
566	1.300	1.200	-7.4166	24.7490	.7442	.8130	621	-1.349	3.401	7.0167	16.7249	.6175	.6809
567	1.300	1.249	-7.5880	24.3565	.7117	.8090	622	-1.349	3.550	6.3255	16.3937	.5241	.4198
568	1.300	1.300	-7.3974	24.0451	.6393	1.0000	623	-1.349	3.700	5.6694	16.2570	.4818	.6685
569	-1.650	1.301	-7.8111	23.1594	.7131	.5929	624	-1.349	4.001	5.2334	16.1249	.5456	.4281
570	-1.650	1.449	-5.0333	23.1594	.7131	.5876	625	-1.349	4.001	4.7573	16.0578	.5372	.4133
571	-1.650	1.600	1.1998	23.6992	.7056	.6730	626	-1.200	1.300	-3.7845	10.3778	5.8377	3.7136
572	-1.650	1.751	1.2644	24.1841	.7913	.8398	627	-1.200	1.453	-4.3384	14.1018	6.0763	3.9856
573	-1.650	1.901	2.4904	24.5466	.6372	.7013	628	-1.200	1.604	-5.3305	18.2098	5.1812	3.6886
574	-1.650	2.050	3.6444	24.4291	.7503	.7107	629	-1.200	1.750	-4.7962	21.4887	5.0886	3.7146
575	-1.650	2.201	4.8612	23.9574	.6314	.8279	630	-1.200	1.899	-2.1645	24.4789	3.6237	3.7680
576	-1.650	2.352	5.9992	23.2532	.6175	.7313	631	-1.200	2.051	2.6821	25.4231	4.2594	4.7445
577	-1.650	2.501	6.5497	22.4813	.6227	.6622	632	-1.200	2.201	6.5504	25.0036	3.3311	5.2849
578	-1.650	2.650	7.0716	21.8806	.6662	.5546	633	-1.200	2.350	9.8060	23.6345	3.3687	3.5321
579	-1.650	2.801	7.2026	20.4372	.6546	.5341	634	-1.200	2.500	10.7769	22.0180	3.2673	3.0169
580	-1.650	2.951	7.1520	19.6366	.6060	.4876	635	-1.200	2.651	11.8749	20.5452	2.0063	2.0423
581	-1.650	3.101	6.7587	18.8740	.5825	.4512	636	-1.200	2.801	11.7526	19.2743	1.1781	.9996
582	-1.650	3.250	6.4011	18.3038	.5007	.3675	637	-1.200	2.950	10.7591	17.8403	.8891	.7448
583	-1.650	3.401	6.0105	17.7291	.5518	.4747	638	-1.200	3.099	9.7032	16.9513	.8250	.5728
584	-1.650	3.551	5.5872	17.4444	.6320	.4484	639	-1.200	3.250	8.4337	16.3290	.7148	.4894
585	-1.650	3.701	5.1612	17.1991	.6103	.4693	640	-1.200	3.401	7.5019	15.9749	.7811	.4345
586	-1.650	3.850	4.6916	16.9641	.4919	.4449	641	-1.200	3.550	6.5811	15.7075	.5197	.4157
587	-1.650	4.001	4.4732	16.7495	.5703	.4341	642	-1.200	3.700	5.7371	15.5468	.5350	.4336
588	-1.650	4.150	-1.2411	22.7366	1.6125	.9738	643	-1.200	3.850	5.1110	15.3134	.5586	.4900
589	-1.500	1.449	-8.354	23.4801	1.3504	1.0923	644	-1.200	4.001	-9.7856	15.0204	.5068	.4626
590	-1.500	1.600	-3.2803	24.4337	1.4914	1.1341	645	-1.049	1.300	-10.4653	11.6634	1.8471	1.8309
591	-1.500	1.751	5.136	25.3082	1.2098	1.1155	646	-1.049	1.450	-10.6535	16.1774	2.7607	1.8529
592	-1.500	1.901	2.3433	25.6324	1.4942	1.4443	647	-1.049	1.601	-10.6355	16.1774	3.6227	2.3758
593	-1.500	2.049	3.9460	25.7101	1.6040	1.3357	648	-1.049	1.752	-9.1569	20.8033	4.3882	2.4969
594	-1.500	2.201	5.7935	24.9587	1.4030	1.5199	649	-1.049	1.900	-4.0032	25.6102	4.8927	3.3784
595	-1.500	2.351	7.2176	24.2673	.8604	.9928	650	-1.049	2.050	3.1827	26.9713	3.2858	3.3117
596	-1.500	2.500	7.9674	22.9369	.8452	.9506	651	-1.049	2.201	8.2320	25.0051	3.5490	3.1263
597	-1.500	2.650	6.4620	21.5430	.6756	.6122	652	-1.049	2.351	10.0723	22.2634	3.4782	4.3035
598	-1.500	2.801	8.4880	20.2244	.7272	.5354	653	-1.049	2.500	12.0773	20.5041	3.4806	3.4731
599	-1.500	2.951	8.0922	19.1520	.7253	.5077	654	-1.049	2.650	13.2431	18.3403	2.9511	3.2084
600	-1.500	3.100	7.5942	18.4344	.6399	.4740	655	-1.049	2.801	13.3934	16.9914	1.9466	1.9148
601	-1.500	3.250	7.1173	17.7860	.3997	.3997	656	-1.049	2.951	12.2972	16.2851	1.3352	.9929
602	-1.500	3.401	6.4965	17.3587	.6811	.3925	657	-1.049	3.100	10.4585	15.6257	.8832	.5559
603	-1.500	3.551	5.9295	16.8852	.6094	.3903	658	-1.049	3.250	8.9245	15.2065	.8064	.5189
604	-1.500	3.700	5.4344	16.6731	.6232	.3835	659	-1.049	3.401	7.7612	15.0299	.5581	.4427
605	-1.500	3.850	4.9649	16.4745	.4743	.3934	660	-1.049	3.551	6.6006	14.8919	.6349	.4839

TEST NUMBER 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
661	-1.049	3.700	5.8427	14.9626	.5628	.4555	716	-.600	3.399	6.5961	11.6805	.4585	.6862
662	-1.049	3.850	5.1545	15.0502	.5572	.4442	717	-.600	3.550	5.5898	12.2228	.4503	.5631
663	-1.049	4.001	4.6281	15.1271	.4863	.4089	718	-.600	3.701	4.7249	12.8712	.4392	.4419
664	-.900	1.302	-12.5370	4.6809	1.1149	1.2831	719	-.600	3.850	4.1424	13.3799	.4396	.5075
665	-.900	1.451	-14.7292	7.4417	2.9130	2.2628	720	-.600	3.999	3.5605	13.6150	.4404	.4510
666	-.900	1.600	-16.9818	10.3975	5.2869	2.5885	721	-.600	1.301	-11.1623	3.9842	.9227	1.0660
667	-.900	1.751	-15.7284	14.8433	6.9290	2.5881	722	-.600	1.450	-12.8233	-7.1021	1.6249	1.2442
668	-.900	1.902	-8.5062	22.7799	6.9290	3.3238	723	-.600	1.601	-13.5743	-10.3524	2.1691	2.0192
669	-.900	2.051	5.4697	24.8064	4.6413	5.2625	724	-.600	1.750	-13.7499	-12.2992	3.1432	2.7144
670	-.900	2.200	11.8662	20.9984	3.8276	3.4785	725	-.600	1.900	-9.8307	-13.2622	4.6845	4.1004
671	-.900	2.351	12.5162	17.9787	3.7528	3.3588	726	-.600	2.051	-5.0667	-11.5749	5.1442	3.9987
672	-.900	2.501	13.0926	16.4770	4.2197	4.0089	727	-.600	2.200	-.3986	-8.2904	5.7298	3.0433
673	-.900	2.651	13.2732	15.0198	3.9061	3.8581	728	-.600	2.349	4.3290	-3.7741	5.3350	2.9935
674	-.900	2.800	14.6540	14.3229	2.1586	2.1784	729	-.600	2.500	7.7349	-1.1965	4.5837	2.4832
675	-.900	2.951	12.9098	14.0600	1.2648	1.1326	730	-.600	2.650	9.5514	1.6938	3.1205	1.8174
676	-.900	3.101	11.0955	13.7444	.7878	.8804	731	-.600	2.800	9.9836	4.1392	2.1749	1.2969
677	-.900	3.251	9.2405	13.8323	.6882	.5472	732	-.600	2.949	8.7951	6.2597	1.3687	.9881
678	-.900	3.400	7.7193	13.8822	.6599	.4297	733	-.600	3.100	7.3686	8.1633	.8269	.8250
679	-.900	3.551	6.6092	14.0342	.5231	.5062	734	-.600	3.250	6.1764	9.5275	.5786	.5662
680	-.900	3.701	5.5723	14.1236	.4802	.4517	735	-.600	3.400	5.3310	10.7943	.4329	.5025
681	-.900	3.851	4.9894	14.6620	.4458	.4093	736	-.600	3.549	4.6617	11.5704	.4335	.5030
682	-.900	4.000	4.4373	14.7049	.5278	.5199	737	-.600	3.700	4.0481	12.2812	.4479	.4797
683	-.750	1.301	-13.8165	1.7286	1.3903	1.4819	738	-.600	3.850	3.5894	12.9073	.4376	.4242
684	-.750	1.451	-17.0462	1.7776	2.1928	2.2757	739	-.600	4.000	3.1421	13.2903	.4616	.4468
685	-.750	1.601	-18.3542	2.1133	4.6606	2.9135	740	-.600	4.150	-7.0196	-9.413	.9413	.7413
686	-.750	1.751	-20.5935	2.1890	5.0161	3.1494	741	-.600	4.300	-8.9129	-9.4676	1.0898	.8892
687	-.750	1.900	-18.5013	.2951	5.7235	5.6480	742	-.600	4.450	-10.9415	-12.6020	.8628	1.1947
688	-.750	2.050	7.8939	6.7928	11.0418	4.9413	743	-.600	4.600	-11.2248	-14.6640	1.2798	2.2608
689	-.750	2.201	12.6763	8.5612	4.9707	3.3218	744	-.600	4.750	-10.5151	-14.9779	1.7591	2.3750
690	-.750	2.351	12.5991	10.6673	4.3731	3.0394	745	-.600	4.900	-10.5794	-13.3513	3.1983	2.8211
691	-.750	2.500	11.5096	10.3466	4.7407	4.1029	746	-.600	5.050	-7.5794	-13.3513	3.1983	2.8211
692	-.750	2.650	13.1433	10.3466	4.4773	3.4169	747	-.600	5.200	-3.6494	-10.7642	3.5755	3.1487
693	-.750	2.801	14.4269	10.6510	2.6378	2.2736	748	-.600	5.350	-7.201	-7.7315	3.8011	2.9834
694	-.750	2.951	12.9051	10.9492	1.5356	1.5509	749	-.600	5.500	-11.1777	-14.1217	3.5693	1.9337
695	-.750	3.100	10.4810	11.8269	.8272	.7488	750	-.600	5.650	5.0526	-7.401	2.4374	1.1447
696	-.750	3.250	8.7569	12.3268	.6856	.6486	751	-.600	5.800	5.6218	2.6362	1.5787	.9142
697	-.750	3.401	7.1050	12.7754	.5314	.5390	752	-.600	5.950	5.5680	5.3681	1.0263	.6922
698	-.750	3.551	6.0614	13.2430	.5496	.4299	753	-.600	6.100	4.9619	7.2266	.7789	.5902
699	-.750	3.700	5.3366	13.4879	.4411	.4294	754	-.600	6.250	4.4277	8.7344	.5026	.5373
700	-.750	3.850	4.6505	13.8727	.4598	.3445	755	-.600	6.400	3.9790	10.0783	.4466	.5635
701	-.750	4.001	4.0279	14.1111	.3724	.4455	756	-.600	6.550	3.4598	11.1652	.4589	.4770
702	-.600	1.302	-13.2170	-1.6200	1.1443	1.1794	757	-.600	6.700	3.1257	11.9358	.4167	.4784
703	-.600	1.451	-15.8497	-3.6581	1.8460	1.6696	758	-.600	6.850	2.8031	12.4408	.4395	.4852
704	-.600	1.600	-17.8089	-5.6210	2.9150	2.9400	759	-.600	7.000	2.5523	13.0475	.4427	.3863
705	-.600	1.751	-17.2489	-8.3402	3.3678	3.2472	760	-.600	7.150	-1.8267	-6.5955	1.0624	.9546
706	-.600	1.901	-11.4555	-10.3344	4.6432	5.2030	761	-.600	7.300	-8.5797	-11.6593	1.1368	1.2990
707	-.600	2.051	-2.9980	-8.2669	6.9079	4.3913	762	-.600	7.450	-5.6550	-14.5933	1.0508	1.3528
708	-.600	2.199	6.4885	-2.3241	5.7832	4.0688	763	-.600	7.600	-10.6278	-15.1865	.8965	1.5394
709	-.600	2.351	9.5993	2.5459	4.6887	3.2333	764	-.600	7.750	-11.1777	-14.1217	.8851	2.0216
710	-.600	2.501	9.1720	4.1790	4.3930	3.5026	765	-.600	7.900	-9.9288	-11.9995	.9985	1.5867
711	-.600	2.650	12.4566	5.3112	4.1339	2.6992	766	-.600	8.050	-7.0218	-9.5885	1.2641	1.6227
712	-.600	2.799	12.6644	6.3340	3.0635	2.6992	767	-.600	8.200	-4.0176	-6.4396	1.4725	1.5217
713	-.600	2.950	11.3082	6.2531	1.2315	1.6887	768	-.600	8.350	-1.4774	-3.3208	1.6472	1.3221
714	-.600	3.101	9.4399	9.6118	.8181	1.2034	769	-.600	8.500	-.8877	-.0206	1.8390	1.9390
715	-.600	3.250	7.6044	10.8513	.6481	.5829	770	-.600	8.650	1.9397	2.6012	1.2192	1.2926
										2.5064	5.1588	.6200	.5274



TEST NUMBER 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
771	-150	3.101	2.5784	7.0788	.6155	.5493	826	.300	2.799	-5.2053	6.4308	.4349	.5367	VS	.300	2.799	-5.2053	6.4308	.4349	.5367
772	-150	3.250	2.6956	8.6608	.5144	.5209	827	.300	2.951	-3.7594	7.6268	.4393	.5061	VS	.300	2.951	-3.7594	7.6268	.4393	.5061
773	-150	3.399	2.4087	9.8883	.4675	.4421	828	.300	3.100	-2.5735	8.7525	.3994	.4372	VS	.300	3.100	-2.5735	8.7525	.3994	.4372
774	-150	3.551	2.2695	10.9063	.4603	.4539	829	.300	3.249	-1.7457	9.6766	.4018	.4434	VS	.300	3.249	-1.7457	9.6766	.4018	.4434
775	-150	3.701	2.2179	11.6874	.4321	.4147	830	.300	3.400	-1.1928	10.5686	.3753	.4139	VS	.300	3.400	-1.1928	10.5686	.3753	.4139
776	-150	3.850	2.0072	12.2471	.4714	.4184	831	.300	3.551	-1.7860	11.2573	.3504	.3925	VS	.300	3.551	-1.7860	11.2573	.3504	.3925
777	-150	3.999	1.9110	12.7961	.3236	.4129	832	.300	3.701	-4.014	11.9473	.4084	.4250	VS	.300	3.701	-4.014	11.9473	.4084	.4250
778	0.000	1.301	5.7314	-7.9539	2.0977	1.3244	833	.300	3.850	-1.577	12.4389	.3531	.4069	VS	.300	3.850	-1.577	12.4389	.3531	.4069
779	0.000	1.451	-9.9212	-13.7553	2.3713	2.5882	834	.300	4.000	-0.001	12.6895	.4257	.4249	VS	.300	4.000	-0.001	12.6895	.4257	.4249
780	0.000	1.601	-7.4903	-16.9350	1.7797	3.0318	835	.450	1.301	20.1563	3.6140	.40910	3.1844	VS	.450	1.301	20.1563	3.6140	.40910	3.1844
781	0.000	1.751	-12.5790	-15.9649	1.5154	2.8020	836	.450	1.451	14.6514	3.9232	.46293	4.5140	VS	.450	1.451	14.6514	3.9232	.46293	4.5140
782	0.000	1.900	-13.7410	-13.3415	1.3601	2.4931	837	.450	1.601	-12.2140	3.7629	.46772	8.1160	VS	.450	1.601	-12.2140	3.7629	.46772	8.1160
783	0.000	2.051	-12.7277	-10.1472	.8572	1.4928	838	.450	1.750	-20.5910	4.4400	.39706	5.2456	VS	.450	1.750	-20.5910	4.4400	.39706	5.2456
784	0.000	2.201	-10.2969	-6.9607	.7000	1.1206	839	.450	1.900	-19.7205	4.6513	.33657	4.9075	VS	.450	1.900	-19.7205	4.6513	.33657	4.9075
785	0.000	2.350	-7.6972	-3.9242	.9101	1.0908	840	.450	2.051	-20.5765	4.4778	.37521	3.7662	VS	.450	2.051	-20.5765	4.4778	.37521	3.7662
786	0.000	2.499	-4.7802	-1.2155	.8280	.8692	841	.450	2.201	-19.1639	4.2011	.15122	1.8051	VS	.450	2.201	-19.1639	4.2011	.15122	1.8051
787	0.000	2.650	-2.8299	1.3932	.7745	.8184	842	.450	2.349	-14.7072	5.3590	.7982	.9361	VS	.450	2.349	-14.7072	5.3590	.7982	.9361
788	0.000	2.801	-1.1045	3.6181	.6483	.5507	843	.450	2.500	-11.1998	6.3357	.5340	.5896	VS	.450	2.500	-11.1998	6.3357	.5340	.5896
789	0.000	2.950	-.1660	5.7130	.6201	.5298	844	.450	2.651	-8.4494	7.2066	.3702	.5700	VS	.450	2.651	-8.4494	7.2066	.3702	.5700
790	0.000	3.099	.5463	7.3020	.5004	.4784	845	.450	2.800	-6.4784	8.1263	.4069	.4837	VS	.450	2.800	-6.4784	8.1263	.4069	.4837
791	0.000	3.250	1.0546	8.6830	.5040	.5224	846	.450	2.949	-3.9694	8.9762	.3819	.4980	VS	.450	2.949	-3.9694	8.9762	.3819	.4980
792	0.000	3.401	1.0615	9.8474	.4519	.4340	847	.450	3.099	-3.6858	9.7218	.3510	.4361	VS	.450	3.099	-3.6858	9.7218	.3510	.4361
793	0.000	3.550	1.2202	10.6903	.3636	.4744	848	.450	3.250	-2.7540	10.4649	.3825	.5484	VS	.450	3.250	-2.7540	10.4649	.3825	.5484
794	0.000	3.700	1.3511	11.5874	.4753	.4751	849	.450	3.401	-2.0597	11.0929	.3863	.5018	VS	.450	3.401	-2.0597	11.0929	.3863	.5018
795	0.000	3.850	1.3210	12.2404	.3819	.5824	850	.450	3.549	-1.4813	11.6376	.3901	.4148	VS	.450	3.549	-1.4813	11.6376	.3901	.4148
796	0.000	4.001	1.2708	12.7825	.4451	.4671	851	.450	3.700	-1.0366	12.1708	.4595	.4716	VS	.450	3.700	-1.0366	12.1708	.4595	.4716
797	.150	1.302	11.9332	-7.9233	3.3510	2.4320	852	.450	3.851	-7.401	12.8464	.4208	.4267	VS	.450	3.851	-7.401	12.8464	.4208	.4267
798	.150	1.451	-4.0718	-12.1452	3.3969	3.3969	853	.450	4.000	-4.542	13.0618	.4016	.4267	VS	.450	4.000	-4.542	13.0618	.4016	.4267
799	.150	1.600	-6.4228	-14.4650	3.3684	4.3664	854	.450	1.302	17.4167	11.7848	2.8051	2.7262	VS	.450	1.302	17.4167	11.7848	2.8051	2.7262
800	.150	1.751	-13.7275	-13.0230	3.0243	5.0967	855	.600	1.451	-7.7196	17.5861	3.0872	3.8163	VS	.600	1.451	-7.7196	17.5861	3.0872	3.8163
801	.150	1.901	-17.2313	-11.5994	2.0775	3.6975	856	.600	1.600	-17.3420	21.5038	4.3941	3.8712	VS	.600	1.600	-17.3420	21.5038	4.3941	3.8712
802	.150	2.051	-16.4674	-8.2647	1.0272	2.0724	857	.600	1.750	-17.5705	18.0350	4.4537	3.6088	VS	.600	1.750	-17.5705	18.0350	4.4537	3.6088
803	.150	2.199	-13.6774	-4.2210	.6367	1.6121	858	.600	1.901	-19.0989	14.2566	4.3438	4.3544	VS	.600	1.901	-19.0989	14.2566	4.3438	4.3544
804	.150	2.350	-10.6104	-1.1921	.6400	1.0545	859	.600	2.051	-19.5542	11.2971	3.1510	4.6139	VS	.600	2.051	-19.5542	11.2971	3.1510	4.6139
805	.150	2.501	-7.6386	1.0505	.5727	.7721	860	.600	2.199	-18.8064	9.4303	2.0149	1.9245	VS	.600	2.199	-18.8064	9.4303	2.0149	1.9245
806	.150	2.650	-5.1996	3.0784	.5841	.8503	861	.600	2.350	-14.9948	8.9969	.8665	.8472	VS	.600	2.350	-14.9948	8.9969	.8665	.8472
807	.150	2.799	-3.4628	4.9844	.5608	.5638	862	.600	2.500	-11.6387	8.9281	.4867	.6145	VS	.600	2.500	-11.6387	8.9281	.4867	.6145
808	.150	2.950	-2.1867	6.5332	.6012	.4216	863	.600	2.650	-9.1723	9.2850	.4043	.5142	VS	.600	2.650	-9.1723	9.2850	.4043	.5142
809	.150	3.101	-1.2116	7.9357	.4609	.4803	864	.600	2.799	-7.1628	9.7577	.3777	.5161	VS	.600	2.799	-7.1628	9.7577	.3777	.5161
810	.150	3.250	-.6069	9.1704	.4396	.4156	865	.600	2.950	-5.6940	10.2566	.3727	.4476	VS	.600	2.950	-5.6940	10.2566	.3727	.4476
811	.150	3.399	-.1198	10.1317	.4339	.4079	866	.600	3.100	-4.4824	10.6063	.4189	.4451	VS	.600	3.100	-4.4824	10.6063	.4189	.4451
812	.150	3.550	.1828	11.0162	.3853	.4250	867	.600	3.250	-3.5223	11.2931	.3652	.3652	VS	.600	3.250	-3.5223	11.2931	.3652	.3652
813	.150	3.701	.4479	11.7376	.4039	.4583	868	.600	3.399	-2.7217	11.7000	.4233	.4634	VS	.600	3.399	-2.7217	11.7000	.4233	.4634
814	.150	3.850	.6495	12.2841	.4293	.4097	869	.600	3.550	-2.1479	12.1492	.3833	.4366	VS	.600	3.550	-2.1479	12.1492	.3833	.4366
815	.150	3.999	.5349	12.8609	.4170	.4673	870	.600	3.701	-1.6706	12.6904	.4242	.5826	VS	.600	3.701	-1.6706	12.6904	.4242	.5826
816	.300	1.302	17.2150	-3.5892	3.2648	2.9493	871	.600	3.850	-1.3392	12.9502	.3859	.5318	VS	.600	3.850	-1.3392	12.9502	.3859	.5318
817	.300	1.450	9.0576	-9.2529	4.3319	3.5531	872	.600	3.999	-1.0354	13.3955	.3763	.4858	VS	.600	3.999	-1.0354	13.3955	.3763	.4858
818	.300	1.600	-7.6597	-11.4820	4.1754	4.0885	873	.750	1.301	10.0357	12.6231	3.9948	2.8465	VS	.750	1.301	10.0357	12.6231	3.9948	2.8465
819	.300	1.751	-17.2971	-6.7355	2.6824	5.4156	874	.750	1.451	3.3631	20.0150	4.2462	3.2816	VS	.750	1.451	3.3631	20.0150	4.2462	3.2816
820	.300	1.901	-19.0794	-4.6210	3.4597	5.0336	875	.750	1.601	-6.1497	23.5691	4.2186	3.4648	VS	.750	1.601	-6.1497	23.5691	4.2186	3.4648
821	.300	2.050	-20.7560	-2.5909	2.5970	3.4597	876	.750	1.751	-12.4657	22.4582	4.2768	3.6699	VS	.750	1.751	-12.4657	22.4582	4.2768	3.6699
822	.300	2.200	-17.1844	-.3765	.9893	1.7803	877	.750	1.900	-15.3361	19.0531	4.0969	2.9460	VS	.750	1.900	-15.3361	19.0531	4.0969	2.9460
823	.300	2.351	-12.9496	1.7475	.6354	.9754	878	.750	2.049	-17.7117	15.8829	2.6474	2.9460	VS	.750	2.049	-17.7117	15.8829	2.6474	2.9460
824	.300	2.501	-9.6193	3.4390	.4909	.8040	879	.750	2.200	-16.8966	13.9944	1.1028	1.1374	VS	.750	2.200	-16.8966	13.9944	1.1028	1.1374
825	.300	2.649	-7.2723	5.1226	.4472	.5195	880	.750	2.351	-13.8457	12.1081	.7035	.7395	VS	.750	2.351	-13.8457	12.1081	.7035	.7395

TEST NUMREN 81070803 RUN NUMBER 6 X/D = 3.60

NO.	Y	Z	V	W	VS	WS	MO.	Y	Z	V	W	VS	WS
801	.750	2.500	-11.3181	11.5691	.4671	.5960	936	1.200	2.201	-10.3439	17.9444	.5379	.5379
802	.750	2.649	-9.2927	11.2438	.3970	.5969	937	1.200	2.351	-9.5930	16.6274	.5668	.5668
803	.750	2.800	-7.5298	11.2611	.3662	.4621	938	1.200	2.500	-8.7987	15.6759	.5159	.5159
804	.750	2.950	-6.1249	11.3436	.3281	.4130	939	1.200	2.651	-7.8831	15.0166	.5386	.5386
805	.750	3.100	-5.0087	11.6088	.2879	.4162	940	1.200	2.801	-6.9440	14.6626	.4281	.4281
806	.750	3.249	-4.0812	12.0109	.2223	.3902	941	1.200	2.951	-5.9834	14.3749	.4263	.4263
807	.750	3.400	-3.2282	12.3436	.4309	.5132	942	1.200	3.099	-5.3001	14.1728	.4578	.4578
808	.750	3.551	-2.6193	12.6774	.3381	.4470	943	1.200	3.250	-4.5168	14.1065	.5105	.5105
809	.750	3.700	-2.0948	13.0203	.4220	.4392	944	1.200	3.401	-3.9753	14.0793	.4243	.4243
810	.750	3.849	-1.7131	13.2962	.4348	.4121	945	1.200	3.550	-3.4952	14.2036	.5300	.5300
811	.750	4.000	-1.3736	13.6791	.4043	.4421	946	1.200	3.699	-2.9170	14.2161	.3435	.3435
812	.750	4.151	-1.5481	11.2638	.6203	.6967	947	1.200	3.850	-2.4964	14.3766	.3900	.3900
813	.750	4.301	-3.9796	19.6549	.4868	.63713	948	1.200	4.001	-2.1768	14.5204	.4177	.4177
814	.750	4.451	-7.6000	22.6633	.41782	.51595	949	1.350	4.150	-1.5037	23.9340	.7005	.7005
815	.750	4.601	-10.8268	22.3154	.39592	.42116	950	1.350	4.301	-7.5037	23.2631	.7549	.7549
816	.750	4.751	-13.4205	20.9820	2.6270	3.2616	951	1.350	4.451	-8.0437	22.6805	.7045	.7045
817	.750	4.901	-15.0710	18.9806	1.9793	1.1938	952	1.350	4.601	-8.5039	21.7164	.6718	.6718
818	.750	5.051	-14.2801	16.1719	.782	.7758	953	1.350	4.751	-9.0282	20.6821	.6484	.6484
819	.750	5.201	-12.5187	14.4207	.3900	.6124	954	1.350	4.901	-8.1499	19.4578	.4861	.4861
820	.750	5.351	-10.6233	13.3597	.4202	.5728	955	1.350	5.050	-8.9793	18.2969	.4491	.4491
821	.750	5.501	-8.9367	12.7943	.3962	.5259	956	1.350	5.201	-8.4778	17.2969	.4316	.4316
822	.750	5.651	-7.4352	12.5464	.3890	.5212	957	1.350	5.351	-7.8859	16.3717	.3712	.3712
823	.750	5.801	-6.2869	12.5572	.4188	.4741	958	1.350	5.501	-7.1243	15.7573	.3979	.3979
824	.750	5.951	-5.2722	12.6067	.4213	.4113	959	1.350	5.650	-6.4052	15.3381	.4069	.4069
825	.750	6.101	-4.3591	12.7047	.3970	.4962	960	1.350	5.801	-5.7632	15.0487	.4451	.4451
826	.750	6.251	-3.6744	12.9645	.4314	.4614	961	1.350	5.951	-5.2009	14.8235	.4480	.4480
827	.750	6.401	-3.0172	13.1575	.3903	.4513	962	1.350	6.101	-4.5098	14.6679	.4444	.4444
828	.750	6.551	-2.5106	13.4370	.3510	.4257	963	1.350	6.250	-3.9597	14.7141	.4445	.4445
829	.750	6.701	-2.0242	13.7136	.4158	.4703	964	1.350	6.401	-3.4116	14.6824	.4747	.4747
830	.750	6.851	-1.6394	13.9019	.4768	.4848	965	1.350	6.551	-3.0617	14.7374	.3836	.3836
831	.750	7.001	-8.7838	21.4846	1.7517	4.4218	966	1.350	6.701	-2.6514	14.8308	.4107	.4107
832	.750	7.151	-7.2962	22.0994	2.5357	4.4539	967	1.350	6.850	-2.3495	14.8273	.4257	.4257
833	.750	7.301	-6.0577	23.4279	2.1607	3.4485	968	1.500	7.001	-6.2038	23.6568	.5930	.5930
834	.750	7.451	-10.8529	23.3416	1.8284	1.5066	969	1.500	7.150	-6.8855	22.9295	.5379	.5379
835	.750	7.601	-12.1730	21.6090	1.2116	1.2368	970	1.500	7.301	-7.0948	22.2196	.4952	.4952
836	.750	7.751	-12.4791	19.3456	.7766	.7811	971	1.500	7.451	-7.4719	21.4932	.5942	.5942
837	.750	7.901	-12.0501	17.3407	.5059	.6380	972	1.500	7.601	-7.0197	20.5531	.5718	.5718
838	.750	8.051	-10.9411	15.6497	.4242	.5690	973	1.500	7.750	-6.0048	19.5275	.4456	.4456
839	.750	8.201	-9.6959	14.8960	.3510	.4724	974	1.500	7.901	-7.8919	18.6809	.5544	.5544
840	.750	8.351	-8.5034	14.0541	.3893	.5171	975	1.500	8.051	-7.6282	17.8134	.4348	.4348
841	.750	8.501	-7.2720	13.7504	.3232	.4670	976	1.500	8.201	-7.1619	17.0506	.3884	.3884
842	.750	8.651	-6.2276	13.4563	.3897	.4879	977	1.500	8.350	-6.6031	16.4324	.3367	.3367
843	.750	8.801	-5.2943	13.4583	.3409	.4526	978	1.500	8.501	-6.0350	15.9705	.3510	.3510
844	.750	8.951	-4.5367	13.4328	.3877	.4906	979	1.500	8.651	-5.4654	15.6389	.3325	.3325
845	.750	9.101	-3.8190	13.6779	.3775	.4955	980	1.500	8.801	-4.9757	15.3985	.3737	.3737
846	.750	9.251	-3.2092	13.6348	.3263	.5141	981	1.500	8.951	-4.3802	15.1809	.4687	.4687
847	.750	9.401	-2.7732	13.8894	.3438	.4540	982	1.500	9.101	-3.9734	15.1027	.5414	.5414
848	.750	9.551	-2.4463	14.0426	.3502	.5195	983	1.500	9.251	-3.5118	15.0061	.4566	.4566
849	.750	9.701	-1.9064	14.1999	.3866	.4665	984	1.500	9.401	-3.0972	15.0549	.3914	.3914
850	.750	9.851	-8.3075	23.8552	.9786	1.4919	985	1.500	9.551	-2.7377	14.9767	.3632	.3632
851	.750	1.301	-8.2921	23.6254	.9241	.9333	986	1.500	9.701	-2.4455	15.0947	.4106	.4106
852	.750	1.451	-8.6077	23.067	1.0345	.9308	987	1.650	9.851	-2.2623	23.1494	.4858	.4858
853	.750	1.601	-9.6717	22.2699	.8775	.8479	988	1.650	1.451	-5.9138	22.5536	.4995	.4995
854	.750	1.751	-10.3741	21.1098	.5917	.5482	989	1.650	1.601	-6.2658	21.6307	.4971	.4971
855	.750	1.901	-10.5584	19.2974	.6153	.5039	990	1.650	1.751	-6.6732	21.1650	.5857	.5857
856	.750	2.051	-6.9726	20.3626	.4466	.5426	991	1.650	1.901	-4.7443	15.8122	.3572	.3572
857	.750	2.201	-7.0361	19.5342	.4671	.5426	992	1.650	2.051	-4.3042	15.6475	.3680	.3680
858	.750	2.351	-6.9588	18.7947	.4885	.5250	993	1.650	2.201	-3.8207	15.4347	.3300	.3300
859	.750	2.501	-6.7529	18.0682	.4228	.5491	994	1.650	2.351	-3.4395	15.4397	.4278	.4278
860	.750	2.651	-6.5330	17.4769	.3751	.4998	995	1.650	2.501	-3.699	15.3643	.4492	.4492
861	.750	2.801	-6.0936	16.8295	.4312	.5175	996	1.650	2.651	-2.6954	15.3543	.4677	.4677
862	.750	2.951	-5.6677	16.4278	.3898	.5176	997	1.650	2.801	-2.4340	15.3307	.4677	.4677
863	.750	3.101	-5.1973	16.0803	.3274	.4641	998	1.650	2.951				

TEST NUMBER 81062502 RUN NUMBER 7 X/D = 4.70

NO.	Y	Z	V	W	VS	MS	NO.	Y	Z	V	W	VS	MS
1	-1.400	0.000	-6.0730	18.3842	.4477	.5367	56	-1.300	.249	-2.6294	13.0976	4.9208	3.3040
2	-1.400	.051	-5.9421	18.4498	.5626	.5919	57	-1.300	.308	-2.7899	9.5206	5.7092	3.6292
3	-1.400	.102	-5.8516	18.4509	.5136	.5875	58	-1.300	.349	-1.3275	8.1093	5.8453	2.9552
4	-1.400	.153	-5.9149	18.5737	.5520	.5971	59	-1.300	.399	-1.1414	6.2368	5.5729	3.1671
5	-1.400	.202	-5.8723	18.5816	.5971	.6988	60	-1.300	.449	-1.4540	5.8595	5.5123	3.0210
6	-1.400	.251	-6.0166	18.7007	.8253	.8022	61	-1.300	.499	-1.6473	4.5427	4.8665	2.6312
7	-1.400	.303	-5.7998	18.8046	.9535	.9256	62	-1.300	.549	-1.8599	3.9773	4.1401	3.1472
8	-1.400	.353	-5.9099	18.8818	1.9771	1.2740	63	-1.300	.599	-.4192	5.1559	5.2323	3.1018
9	-1.400	.402	-5.1186	18.2466	2.6699	1.7451	64	-1.300	.649	-1.1090	3.9340	5.5060	3.7491
10	-1.400	.451	-4.8028	16.8750	3.7918	2.4199	65	-1.300	.700	-.8917	2.1469	5.3011	3.9519
11	-1.400	.503	-3.8095	16.8879	3.2070	2.3642	66	-1.300	.749	-.3834	2.0751	5.0655	3.7776
12	-1.400	.553	-3.0426	15.2053	3.9299	3.0563	67	-1.300	.799	-.6919	1.4340	5.3010	3.2451
13	-1.400	.602	-2.7013	13.6016	4.7948	3.3829	68	-1.300	.849	-.4616	1.7763	5.8680	3.3976
14	-1.400	.651	-2.3966	12.5714	4.2066	3.1155	69	-1.300	.900	-.8625	1.6338	5.4062	3.2434
15	-1.400	.703	-2.4658	11.8044	5.1669	3.8420	70	-1.300	.949	-1.7261	.8153	4.9636	2.6348
16	-1.400	.753	-2.2004	9.3019	5.0663	3.4853	71	-1.300	.999	-1.8033	1.9424	5.2400	3.2364
17	-1.400	.802	-.6291	8.8219	4.9961	3.3789	72	-1.300	1.049	-2.1292	2.1832	5.2523	3.3566
18	-1.400	.851	-.9067	8.5646	4.9412	3.1729	73	-1.300	1.100	-2.6458	3.1509	5.4257	2.4969
19	-1.400	.903	-.7152	8.6699	5.4877	3.2132	74	-1.300	1.149	-2.7167	3.2163	5.0272	2.5205
20	-1.400	.953	-.3536	8.0072	5.7453	3.5075	75	-1.300	1.199	-.51734	3.5926	4.1566	2.5291
21	-1.400	1.002	-1.3446	7.0900	5.4526	3.2651	76	-1.250	0.000	-6.4965	18.6414	.5564	.6314
22	-1.400	1.051	-1.7782	5.9223	5.6992	3.3176	77	-1.250	.051	-5.6330	17.0684	1.2915	1.7667
23	-1.400	1.103	-1.0568	6.5315	5.8509	3.2605	78	-1.250	.102	-2.6419	8.0336	3.4621	4.7797
24	-1.400	1.153	-1.9990	6.5993	5.8446	2.5391	79	-1.250	.153	-1.1750	2.7047	3.5053	2.3362
25	-1.400	1.202	-2.5683	6.6070	6.0687	3.4448	80	-1.250	.202	-.7928	2.2054	4.1111	2.4105
26	-1.350	0.000	-6.1189	18.4599	.4785	.5431	81	-1.250	.249	-1.2155	.6584	4.3327	2.4097
27	-1.350	.051	-6.0081	18.4118	.5485	.5642	82	-1.250	.301	-1.7054	1.1802	3.8280	2.3708
28	-1.350	.103	-5.9556	18.4763	.5948	.6574	83	-1.250	.351	-1.4780	.7404	4.2812	2.2471
29	-1.350	.153	-6.1151	18.5520	.6938	.6791	84	-1.250	.401	-1.6375	.4689	3.2316	2.3486
30	-1.350	.199	-5.9485	16.7253	1.0319	.9462	85	-1.250	.449	-1.6415	.6344	3.5626	2.5579
31	-1.350	.249	-5.6945	16.4580	1.8221	1.5626	86	-1.250	.501	-2.0106	-.3820	3.3258	3.1777
32	-1.350	.300	-5.2733	17.1560	3.5507	2.3049	87	-1.250	.551	-1.3301	.1390	4.2366	2.9501
33	-1.350	.351	-4.2084	16.1120	4.3645	2.6750	88	-1.250	.600	-1.0761	-.9179	4.2571	3.6314
34	-1.350	.399	-3.2875	14.1580	5.1538	3.3470	89	-1.250	.649	-.1648	-.8356	4.2934	3.1834
35	-1.350	.449	-2.2899	12.5776	4.8377	3.1399	90	-1.250	.701	-.4974	-1.0426	4.7383	3.5571
36	-1.350	.500	-2.1942	11.6988	5.0414	3.5621	91	-1.250	.751	-.6493	-1.0887	4.8800	3.6132
37	-1.350	.551	-2.0245	9.2390	5.8185	3.5777	92	-1.250	.800	-1.0885	-1.0269	4.2662	3.3460
38	-1.350	.599	-1.3456	8.6201	5.3301	3.1569	93	-1.250	.849	-.9648	-.3752	5.1672	3.2052
39	-1.350	.649	-1.1817	7.3421	5.4192	3.7688	94	-1.250	.891	-1.8406	.1941	4.9914	3.8195
40	-1.350	.699	-1.5174	6.8156	5.4660	3.6125	95	-1.250	.931	-2.4029	-.6959	4.5966	3.5254
41	-1.350	.750	-.3044	5.5167	5.5563	3.4811	96	-1.250	1.000	-2.4812	.3595	4.9366	2.9291
42	-1.350	.799	-.0792	6.2146	5.5193	3.9276	97	-1.250	1.049	-3.3653	1.1235	4.8702	2.7808
43	-1.350	.849	-.5524	5.1528	5.5225	3.6678	98	-1.250	1.101	-3.2450	1.0508	4.5403	2.5776
44	-1.350	.900	-.4031	5.4180	5.5341	3.5295	99	-1.250	1.151	-4.6246	2.2489	3.2319	2.6889
45	-1.350	.950	-1.1921	4.1284	5.6550	3.3019	100	-1.250	1.200	-5.3053	2.9444	3.5839	2.2199
46	-1.350	.999	-1.5544	3.0621	5.9896	2.8945	101	-1.200	.001	-.4618	.9260	1.5735	1.7022
47	-1.350	1.049	-1.1308	3.7908	5.7944	2.8764	102	-1.200	.054	-.1110	-.6096	1.8199	1.6028
48	-1.350	1.100	-1.7330	4.3654	5.7180	3.0205	103	-1.200	.104	-.2167	-1.1024	1.6198	1.6644
49	-1.350	1.150	-1.4366	5.1171	6.2484	2.0983	104	-1.200	.153	-.1832	-1.3014	2.0011	1.7844
50	-1.350	1.199	-3.9452	4.3336	5.1105	3.1105	105	-1.200	.201	-.6271	-1.4319	2.0011	1.7544
51	-1.300	0.000	-6.3099	18.5916	.5267	.5467	106	-1.200	.251	-1.7616	-1.5844	1.9388	1.6687
52	-1.300	.052	-6.2019	18.6319	.6980	.5524	107	-1.200	.300	-1.9902	-1.6494	1.7594	1.6464
53	-1.300	.103	-6.2138	18.6688	.7959	.6986	108	-1.200	.349	-2.2330	-1.6865	1.6348	1.7999
54	-1.300	.149	-5.9133	18.5741	1.6028	1.1104	109	-1.200	.399	-2.1227	-1.8721	2.1985	1.8341
55	-1.300	.199	-4.6818	15.2823	4.3326	3.5151	110	-1.200	.451	-1.6097	-1.7462	2.4783	2.1263

TEST NUMBER 81062502 RUN NUMBER 7 X/D = 4.70

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
111	-1.200	.501	-1.6520	-2.2603	2.2999	2.4948	166	-1.100	1.051	-6.6450	-1.1247	1.3764	1.5473
112	-1.200	.549	-.7521	-3.1087	3.0650	3.5653	167	-1.100	1.101	-6.6207	-.2701	1.6082	1.6497
113	-1.200	.599	-.9710	-2.6757	3.5736	3.2114	168	-1.100	1.150	-.5312	1.5181	1.6697	1.6697
114	-1.200	.651	-.8264	-3.1560	4.1760	3.1483	169	-1.100	1.201	-7.9349	1.8087	1.8963	1.9146
115	-1.200	.700	-1.1558	-2.5120	3.6929	3.3840	170	-1.050	.550	-2.0980	2.0156	2.4975	2.4975
116	-1.200	.749	-1.1278	-2.8986	3.8368	3.7144	171	-1.050	.601	-.3390	2.4653	2.7682	2.7682
117	-1.200	.799	-1.4969	-2.7757	4.0054	3.8715	172	-1.050	.651	-1.1999	2.5680	2.9283	2.9283
118	-1.200	.850	-1.6626	-1.7039	4.5711	3.1927	173	-1.050	.702	-.1416	2.7359	2.7788	3.3070
119	-1.200	.900	-2.2790	-1.7158	4.2038	3.1570	174	-1.050	.752	-1.0469	2.5469	3.4519	3.0313
120	-1.200	.949	-2.7086	-.8909	3.5961	3.0446	175	-1.050	.799	-2.8644	2.8046	3.2307	2.9206
121	-1.200	.999	-3.7652	-.7060	3.6956	2.9993	176	-1.050	.849	-2.8311	1.5490	3.6325	2.9542
122	-1.200	1.051	-5.0581	.5288	3.3460	2.0739	177	-1.050	.900	-4.8069	1.4806	2.7860	2.2695
123	-1.200	1.101	-5.5903	1.2497	2.7911	2.6986	178	-1.050	.951	-5.3537	1.1828	2.4283	2.1287
124	-1.200	1.149	-5.8369	1.5935	2.1273	2.1676	179	-1.050	.999	-6.1177	-.9600	1.5861	1.6663
125	-1.200	1.199	-5.7854	1.8537	2.5173	2.0363	180	-1.050	1.049	-6.6849	-.3317	1.4479	1.6149
126	-1.150	0.000	-.1977	-.4389	.9862	1.2296	181	-1.050	1.100	-7.2853	1.444	1.2686	1.6163
127	-1.150	.053	-.1641	-.0547	1.3841	1.1077	182	-1.050	1.150	-7.3435	1.446	1.7576	1.8798
128	-1.150	.103	-.2556	-.0333	1.2804	1.2204	183	-1.050	1.199	-7.8862	1.427	1.3808	1.8598
129	-1.150	.152	-.1295	-.0886	1.6344	1.4666	184	-1.000	.599	-.0821	-.4066	2.4887	2.2720
130	-1.150	.203	-.4059	-.2852	2.0552	1.5312	185	-1.000	.649	-.1246	-.0492	2.4705	2.3740
131	-1.150	.253	-.9029	-1.2274	1.9536	1.7328	186	-1.000	.700	-.7372	-1.0325	2.9631	2.8593
132	-1.150	.299	-1.3226	-1.7708	2.0255	1.5746	187	-1.000	.751	-1.8793	-1.2390	3.5071	2.8175
133	-1.150	.348	-1.8753	-2.4780	1.7874	1.6417	188	-1.000	.801	-2.2388	-1.5840	3.4246	2.9692
134	-1.150	.400	-2.0460	-.2449	1.9754	1.7909	189	-1.000	.850	-4.4440	-1.4547	3.8535	2.1908
135	-1.150	.451	-1.4095	-.2798	2.0399	2.7345	190	-1.000	.900	-4.9425	-.8884	3.5107	2.3118
136	-1.150	.500	-1.4459	-.28194	2.1221	2.7146	191	-1.000	.951	-5.6012	-.9478	2.4229	2.0274
137	-1.150	.549	-1.1439	-.3033	2.2150	2.3612	192	-1.000	1.001	-6.3480	-.5398	1.7145	1.6578
138	-1.150	.600	-.5580	-3.8003	2.7347	3.1379	193	-1.000	1.050	-6.7802	-4.739	1.4528	1.4267
139	-1.150	.651	-.8393	-4.1111	2.8378	3.6040	194	-1.000	1.100	-6.9823	-.4024	1.5666	1.6820
140	-1.150	.651	-.6735	-.35231	3.1845	3.2534	195	-1.000	1.151	-7.9884	-.4335	1.6782	1.8635
141	-1.150	.700	-.5898	-.39335	3.6368	3.3490	196	-1.000	1.201	-7.9281	-.3038	1.6222	1.7912
142	-1.150	.749	-1.5291	-4.0871	3.1402	3.2592	197	-.950	.701	-.6828	1.2114	2.1102	2.0848
143	-1.150	.799	-1.6893	-2.2027	3.7528	3.4648	198	-.950	.751	-1.2534	.0446	3.5598	2.4137
144	-1.150	.850	-2.5519	-2.5465	3.6273	3.3858	199	-.950	.801	-3.0302	-.9720	3.8175	2.6789
145	-1.150	.900	-2.6291	-.9111	3.9281	3.3250	200	-.950	.849	-4.1299	-1.1687	3.8021	2.4588
146	-1.150	.949	-4.0425	-.12356	2.9496	2.5342	201	-.950	.901	-5.4891	-1.2107	3.1255	2.2286
147	-1.150	.999	-4.7086	-.6056	3.1294	2.1852	202	-.950	.951	-6.3239	-.6926	2.5177	1.5676
148	-1.150	1.051	-5.0073	.0133	1.6217	1.9281	203	-.950	1.001	-6.4725	-.6928	1.5372	1.3211
149	-1.150	1.100	-6.2331	.5937	1.7573	2.0039	204	-.950	1.050	-6.7795	-.6884	1.2939	1.6451
150	-1.150	1.149	-6.4376	1.1613	1.8314	1.9252	205	-.950	1.101	-7.4232	-.5560	1.3852	1.3469
151	-1.150	1.199	-7.1207	1.5772	1.9785	1.8847	206	-.950	1.151	-7.6274	-.7819	1.4851	1.7739
152	-1.100	.001	10.5512	17.5347	11.0379	6.8736	207	-.950	1.201	-7.6156	-1.0741	1.8891	1.9954
153	-1.100	.041	-1.6744	-2.5544	1.9821	1.4668	208	-.900	.749	.5134	1.9154	2.7503	1.8782
154	-1.100	.051	-1.4316	-2.7826	1.7130	1.9417	209	-.900	.800	-.2040	1.9066	2.5257	1.9945
155	-1.100	.051	-.8495	-2.6600	1.9054	2.3965	210	-.900	.850	-3.6937	1.3647	4.4353	2.1704
156	-1.100	.050	-.5894	-.28417	2.1913	2.5749	211	-.900	.900	-4.7804	-.3566	3.5155	2.0866
157	-1.100	.061	-.9038	-2.8905	2.3452	2.9228	212	-.900	.949	-7.0631	-.7193	2.7295	1.8544
158	-1.100	.051	-.7608	-3.4475	2.6274	2.9785	213	-.900	1.000	-7.2386	-.8773	1.4950	1.7813
159	-1.100	.701	-.2831	-3.6514	3.0204	3.1537	214	-.900	1.050	-7.9852	-.6422	1.3173	1.5660
160	-1.100	.750	-1.8047	-3.3870	3.3103	3.1666	215	-.900	1.100	-7.7529	-.8330	1.5240	1.8576
161	-1.100	.801	-2.0008	-3.5314	3.7144	3.1546	216	-.900	1.149	-9.0042	-.9375	1.5586	2.2345
162	-1.100	.851	-2.2726	-2.9365	3.7144	3.3511	217	-.900	1.199	-9.5917	-.9375	1.7700	2.5713
163	-1.100	.901	-4.6684	-2.1870	2.4816	2.2576	218	-.849	.850	-1.8840	-.8659	3.7813	1.9198
164	-1.100	.950	-5.8148	-1.1390	2.1376	2.1270	219	-.849	.899	-3.4647	-.3179	4.1868	2.8293
165	-1.100	1.001	-6.0896	-.6485	1.6157	2.0273	220	-.849	.949	-4.3487	-.2404	2.7698	1.4693

TEST NUMBER 81062502 RUN NUMBER 7 X/D = 4.70

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	M	VS	WS
221	-849	1.000	-5.2460	-5.175	1.6776	1.4400	276	.050	1.202	20.2423	2.5547	2.0430	2.0224
222	-849	1.050	-5.4084	-7.103	1.5145	1.3949	277	.100	1.202	20.2397	3.1404	2.1696	2.0171
223	-849	1.099	-5.4222	-1.4866	1.3129	1.4904	278	.150	1.201	20.0420	4.8969	2.2347	2.2667
224	-849	1.149	-5.4360	-1.8392	1.4551	1.5047	279	.200	1.202	19.8588	5.2411	2.2627	2.9521
225	-849	1.200	-5.4845	-2.5007	1.4559	1.5188	280	.250	1.200	19.6686	7.3284	2.0979	2.5477
226	-799	.900	-2.7605	-0.763	3.7366	1.7669	281	.300	1.200	18.6291	7.7975	2.1382	3.3634
227	-799	.849	-3.9621	-3.046	3.1900	1.4320	282	.350	1.150	6.5777	8.2034	7.5831	8.2531
228	-799	.998	-4.8600	-6.319	1.5388	1.1347	283	.350	1.202	16.4183	8.7676	3.3749	5.5620
229	-799	1.050	-5.0489	-1.2495	1.5288	1.0846	284	.400	1.151	5.2009	6.0321	6.2304	8.2882
230	-799	1.100	-5.1897	-1.4084	1.5084	1.3493	285	.400	1.200	14.0295	7.5362	5.6383	6.6020
231	-799	1.149	-5.2183	-2.2636	1.3787	1.2756	286	.450	1.101	-3.8264	6.2566	4.7003	5.4298
232	-799	1.198	-4.9812	-2.7044	1.5783	1.7796	287	.450	1.152	3.2774	6.0417	5.8591	8.0714
233	-749	.949	-3.3621	-2.717	3.3438	1.4163	288	.450	1.202	11.7814	8.0115	5.5488	6.4107
234	-749	1.001	-4.1908	-3.267	1.7969	1.3102	289	.500	1.100	-4.0159	6.4413	6.1587	5.6090
235	-749	1.051	-4.1603	-8.644	1.4892	1.1280	290	.500	1.150	.3421	5.1379	7.0724	7.3078
236	-749	1.100	-4.5783	-1.4785	1.4818	1.1954	291	.500	1.202	9.7627	7.0322	6.8025	6.5712
237	-749	1.150	-4.4625	-2.3354	1.6907	1.2854	292	.550	1.051	-7.3885	3.9803	4.9379	4.7514
238	-749	1.201	-4.5663	-3.2399	1.6835	1.4244	293	.550	1.100	-3.8271	4.7904	6.2354	5.2410
239	-699	.950	-3.0513	-2.744	3.1417	2.0835	294	.550	1.151	-2.5081	4.4000	9.1538	7.1861
240	-699	1.000	-4.2798	-6.649	1.7029	1.1084	295	.550	1.202	7.2384	5.5486	9.6754	6.8881
241	-699	1.050	-4.0548	-9.650	1.4939	1.1840	296	.550	1.000	-6.7233	3.2821	4.6028	4.2416
242	-699	1.099	-3.9008	-1.6936	1.7670	1.1723	297	.600	1.102	-2.7510	1.2808	7.4010	6.1117
243	-699	1.150	-4.0093	-2.2607	1.6416	1.4168	298	.600	1.152	-1.2229	1.5465	8.6698	5.8337
244	-699	1.200	-3.8261	-3.4620	1.9117	1.5053	299	.600	1.200	5.9913	3.8519	8.6550	5.6939
245	-650	1.001	-3.8997	-2.673	2.0095	1.4907	300	.650	1.002	-4.5683	4.0095	5.4457	4.6992
246	-650	1.050	-3.3077	-7.867	2.0551	1.2436	301	.650	1.052	-6.2097	-1.3614	6.4644	4.1643
247	-650	1.099	-2.9079	-1.3886	1.8622	1.2545	302	.650	1.101	-3.2828	-2.4404	7.8876	6.2063
248	-650	1.150	-2.6031	-2.4562	1.9800	1.5382	303	.650	1.151	-1.9538	-1.7740	8.6972	6.8304
249	-650	1.201	-2.4425	-3.2827	2.0056	1.4025	304	.650	1.202	3.4217	.6755	10.2643	6.2875
250	-599	1.050	-2.0749	-0.683	1.9811	1.0694	305	.700	.952	-2.7626	-1.0832	4.8715	4.5039
251	-599	1.100	-2.0149	-1.0341	1.9639	1.0835	306	.700	1.002	-4.4097	-3.1375	5.8778	5.3243
252	-599	1.150	-1.6352	-2.3752	2.3300	1.4784	307	.700	1.050	-4.8549	-4.4842	6.2767	4.8222
253	-599	1.201	-1.4199	-3.5171	1.9312	1.1741	308	.700	1.101	-4.2275	-4.4291	7.7994	6.4748
254	-549	1.049	-1.7334	.4253	2.2685	1.1348	309	.700	1.152	-2.9300	-3.4497	8.8867	6.6218
255	-549	1.100	-9.9100	-5.799	2.0361	1.1809	310	.700	1.202	1.0676	-1.1441	9.5148	7.3282
256	-549	1.151	-7.137	-1.8897	2.1154	1.2907	311	.750	.902	-1.9777	-2.9515	5.4125	4.2682
257	-549	1.200	.0228	-3.0871	2.4800	1.6620	312	.750	.952	-1.6050	-3.2489	5.3256	4.6616
258	-499	1.099	.0507	.0156	2.6085	1.4007	313	.750	1.000	-1.3525	-4.8037	6.0277	5.8296
259	-499	1.149	.7051	-1.1288	2.4139	1.6944	314	.750	1.051	-5.2630	-6.9147	4.5592	5.4588
260	-499	1.200	1.2140	-3.2220	2.9066	1.5364	315	.750	1.102	-3.8516	-5.7534	6.7427	6.9688
261	-450	1.100	2.2913	1.2373	2.5423	1.3617	316	.750	1.152	-1.7541	-4.0648	7.6730	7.2022
262	-450	1.150	3.4839	-3.265	2.5435	1.6273	317	.750	1.201	-1.7288	-2.7096	8.4737	7.6219
263	-450	1.199	3.8083	-1.9156	2.7071	1.4133	318	.800	.852	2.6724	-3.2646	4.2498	3.7246
264	-400	1.150	5.3282	.5742	2.1814	1.4676	319	.800	.901	1.8935	-4.2611	5.3981	4.0176
265	-400	1.201	5.7224	-1.2775	3.2787	1.6137	320	.800	.952	-2.0022	-5.4353	5.1294	4.5060
266	-349	1.152	6.4823	1.3821	2.9674	1.4805	321	.800	1.002	-2.8359	-5.7483	5.7513	5.1521
267	-349	1.201	7.5983	-3.938	2.7157	1.3791	322	.800	1.051	-3.1116	-6.0367	6.1655	6.5929
268	-299	1.150	8.8343	1.9059	2.5343	1.5905	323	.800	1.101	-4.9053	-6.7533	5.9815	6.4663
269	-299	1.200	9.7679	-.0001	2.3687	2.1009	324	.800	1.152	-4.9241	-4.9455	5.9145	7.4519
270	-250	1.201	12.3832	.8801	2.7299	1.7253	325	.800	1.202	-6.1146	-1.8838	5.7179	8.2225
271	-199	1.200	13.3812	1.2128	2.7323	1.5957	326	.850	.802	4.8939	-2.4750	3.7368	3.4086
272	-149	1.200	15.5686	1.1243	2.4096	1.9140	327	.850	.852	4.4230	-5.0834	4.5695	5.0834
273	-099	1.201	17.4921	1.5670	2.5749	2.0728	328	.900	.900	2.5757	-3.5070	5.9277	4.8676
274	-050	1.201	18.7957	1.8833	2.0444	1.6148	329	.950	.950	.9949	-4.2808	6.6121	5.8856
275	0.000	1.202	19.2809	1.3600	2.8286	1.8987	330	.850	1.000	-2.5772	-6.0059	5.8857	6.7860

TEST NUMBER 81062502 RUN NUMBER 7 X/D = 4.70

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
331	.850	1.051	-2.9736	-3.8453	5.9032	6.8693	386	1.100	.402	.4885	1.1464	1.6574	2.3210
332	.850	1.100	-4.5029	-4.6126	5.7079	8.1061	387	1.100	.453	2.0915	1.0925	1.9489	3.2637
333	.850	1.150	-5.0201	-2.4057	5.4687	8.8159	388	1.100	.502	1.8344	2.6975	3.3408	3.7507
334	.850	1.200	-6.1204	.0434	6.1068	9.1023	389	1.100	.552	1.3128	5.1071	3.3866	5.2522
335	.900	.750	-5.2248	-2.0236	2.9269	3.2505	390	1.100	.602	1.3270	8.0865	3.7571	6.0912
336	.900	.801	5.1608	-1.4744	3.6738	4.0342	391	1.100	.652	-2.2197	12.0816	4.3235	8.1071
337	.900	.851	4.3855	-2.5136	4.9195	4.2607	392	1.100	.702	-1.8551	14.1316	3.3750	8.1640
338	.900	.900	3.8446	-2.0214	6.5069	5.4275	393	1.100	.751	-2.2320	17.8486	3.2173	8.6558
339	.900	.950	1.7355	-.0592	5.8498	5.9512	394	1.100	.802	-2.5645	19.2401	3.4226	7.8349
340	.900	1.000	-1.1481	-.2932	6.5533	8.2452	395	1.100	.852	-2.9167	20.6818	2.8962	8.1796
341	.900	1.051	-4.7686	1.1134	6.1520	8.3673	396	1.100	.902	-3.3329	21.4267	3.3991	8.3352
342	.900	1.101	-6.7272	1.0984	5.3802	9.0193	397	1.100	.952	-4.1800	24.2114	2.7777	7.0364
343	.900	1.150	-6.9133	2.8038	5.4192	10.1108	398	1.100	1.002	-6.6866	24.7539	3.6851	5.7542
344	.900	1.201	-7.0251	2.9714	5.7211	9.0739	399	1.100	1.052	-7.8676	26.1746	3.6878	4.8812
345	.950	.651	3.1576	-.5896	1.9463	4.0990	400	1.100	1.102	-9.8219	25.7952	3.1916	4.8852
346	.950	.700	4.0874	-.5772	2.3543	3.1705	401	1.100	1.151	-11.1941	26.5044	2.9290	2.2468
347	.950	.751	4.5059	-.0286	3.0994	3.3271	402	1.100	1.201	-10.8691	26.0611	2.8860	2.8366
348	.950	.801	4.9315	1.4286	3.5294	4.4931	403	1.150	0.000	2.7736	29.5302	.7081	.8750
349	.950	.850	5.0835	3.2887	3.5004	5.0909	404	1.150	.049	2.3797	29.0334	.8771	1.0463
350	.950	.900	3.7474	3.9451	4.1423	5.9716	405	1.150	.098	1.8303	28.2041	1.2626	1.3648
351	.950	.951	1.9220	5.5064	5.6393	7.4292	406	1.150	.150	1.2294	26.6552	2.3780	2.4112
352	.950	1.001	-1.5750	7.3764	5.9165	8.6439	407	1.150	.200	.5992	23.2229	5.2549	4.9945
353	.950	1.050	-4.4331	8.6226	5.5062	9.0759	408	1.150	.249	.2185	23.6630	5.2122	5.1499
354	.950	1.100	-8.6411	18.2431	5.7527	7.5985	409	1.150	.298	.0355	20.0069	6.1755	6.7114
355	.950	1.150	-.0469	11.8352	4.5422	7.5870	410	1.150	.350	-.8216	22.1487	5.7103	7.1119
356	.950	1.201	-10.8102	13.5047	4.5441	7.1592	411	1.150	.400	-.8220	21.5885	7.4547	7.4547
357	1.000	.601	2.4469	-.1784	2.0817	3.9323	412	1.150	.449	-.2115	20.4552	5.1880	8.2473
358	1.000	.651	3.0656	-.0387	2.2200	2.9602	413	1.150	.498	-.9984	23.2294	3.9251	7.3265
359	1.000	.701	2.7834	1.7333	2.8782	3.4987	414	1.150	.550	-1.8798	22.7042	3.8374	7.4982
360	1.000	.750	3.5807	2.7193	2.5748	3.6379	415	1.150	.600	-3.3103	26.6679	2.9896	4.8172
361	1.000	.800	3.1382	5.1498	3.9323	4.8677	416	1.150	.649	-4.5121	26.7782	2.7970	4.8529
362	1.000	.851	3.1713	7.0976	3.9323	6.0221	417	1.150	.698	-4.8617	26.7782	2.4962	3.4033
363	1.000	.901	1.5304	8.8631	3.4432	5.6411	418	1.150	.750	-4.4716	26.7954	1.9621	4.2934
364	1.000	.950	-.7915	11.3501	4.1839	7.3819	419	1.150	.800	-3.3765	26.1946	2.1641	5.5953
365	1.000	1.000	-2.8869	13.4982	3.3259	7.1697	420	1.150	.849	-3.6668	26.4502	2.9236	5.2842
366	1.000	1.051	-4.8123	14.7611	4.0674	6.2603	421	1.150	.898	-3.9787	27.4698	2.1389	4.7579
367	1.000	1.101	-6.5874	15.9686	4.5430	6.3490	422	1.150	.950	-5.7615	27.7918	2.5872	3.8419
368	1.000	1.150	-9.4461	17.1867	4.3607	6.8097	423	1.150	1.000	-6.7627	28.4692	2.1608	2.5996
369	1.000	1.200	-11.2452	18.8552	3.8810	4.9318	424	1.150	1.049	-7.6337	28.2494	1.9733	2.8184
370	1.050	.501	1.4575	.3833	1.9912	2.6337	425	1.150	1.098	-8.7328	28.8102	1.8562	1.4554
371	1.050	.550	1.5687	-.3463	2.2935	3.7040	426	1.150	1.149	-9.4763	27.5024	1.7349	1.8926
372	1.050	.601	1.5072	1.0555	2.6320	3.0135	427	1.200	0.000	-10.1280	26.1750	1.3113	1.5270
373	1.050	.651	1.0402	2.5700	3.0246	4.7501	428	1.200	.052	3.0981	29.2360	.6126	.6217
374	1.050	.700	.9249	5.4798	3.0218	5.3971	429	1.200	.103	2.5280	29.2432	.5194	.6880
375	1.050	.750	-.9973	8.2485	3.2171	5.7187	430	1.200	.154	1.8963	29.3355	.5653	.7837
376	1.050	.801	1.1669	9.6482	3.2692	5.9828	431	1.200	.202	1.4497	29.3142	.5250	.7575
377	1.050	.851	-.8804	14.5711	3.2746	7.0192	432	1.200	.252	1.0931	29.2944	.5502	.6733
378	1.050	.900	-.7901	14.2753	3.7370	6.0192	433	1.200	.303	.5231	29.3398	.5222	.7119
379	1.050	.950	-2.6831	16.9205	3.6399	6.1494	434	1.200	.354	-.1441	29.1898	.5313	.7713
380	1.050	1.001	-.8953	18.4180	3.2503	5.7756	435	1.200	.402	-.4188	29.1652	.5449	.8969
381	1.050	1.051	-.6802	20.1702	4.0232	5.9882	436	1.200	.451	-.8772	29.0777	.6122	.8736
382	1.050	1.101	-.8695	21.9656	3.9666	6.2281	437	1.200	.501	-1.1070	29.2420	.7960	1.0681
383	1.050	1.150	-.8099	22.6722	3.7145	5.3594	438	1.200	.550	-1.6079	29.1875	.8381	1.1137
384	1.050	1.201	-11.8243	23.1858	2.9376	4.1629	439	1.200	.600	-2.2596	29.4595	1.0272	1.0605
385	1.100	.352	-.0240	1.3205	1.4607	1.4916	440	1.200	.600	-2.8110	29.2467	1.1596	1.3965

TEST NUMBER 81062502 RUN NUMBER 7 X/D = 4.70

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
441	1.200	.649	-3.5063	29.0231	1.1703	1.5430	496	1.300	.699	-4.0449	27.7934	.7362	.8036
442	1.200	.700	-3.4262	28.6025	1.3111	1.7026	497	1.300	.949	-5.4856	27.6151	.6939	.7879
443	1.200	.750	-3.7215	28.3890	1.0310	1.6739	498	1.300	1.000	-5.9531	27.4438	.7845	.7953
444	1.200	.799	-3.6729	28.3539	1.0372	2.0173	499	1.300	1.000	-5.9822	27.3720	.7013	.6757
445	1.200	.849	-4.6754	28.4891	1.1496	1.7236	500	1.300	1.050	-6.4658	27.1477	.7255	.7204
446	1.200	.900	-5.2325	28.6060	1.2036	1.3955	501	1.300	1.099	-6.9599	26.9900	.7207	.7575
447	1.200	.950	-6.0292	28.8310	1.1909	1.3785	502	1.300	1.149	-7.4252	26.2681	.7883	.8584
448	1.200	.999	-6.7198	28.5146	1.1856	1.1416	503	1.300	1.200	-7.7672	25.8738	.7251	.6581
449	1.200	1.049	-7.4072	28.2128	1.0921	1.1789	504	1.350	.001	3.0108	27.7426	.5220	.6757
450	1.200	1.100	-8.0276	27.6603	1.2634	1.0486	505	1.350	.050	2.3959	27.7893	.5489	.5834
451	1.200	1.150	-8.6109	27.0151	1.2495	1.2230	506	1.350	.098	2.0432	27.9012	.4386	.6891
452	1.200	1.199	-9.2042	26.2956	1.0456	.9106	507	1.350	.150	1.5432	27.9647	.4899	.7372
453	1.250	.001	3.0427	28.7381	.5206	.6979	508	1.350	.200	1.1131	27.9646	.5495	.7024
454	1.250	.051	2.5819	28.8435	.5493	.7683	509	1.350	.250	.6798	28.0102	.5464	.7395
455	1.250	.100	1.9529	28.8087	.5231	.6954	510	1.350	.298	.0698	27.9772	.4884	.7679
456	1.250	.149	1.5783	28.8260	.5224	.7415	511	1.350	.350	-.0820	27.9229	.5586	.5915
457	1.250	.200	1.1028	28.8190	.5269	.7806	512	1.350	.400	-.7366	28.0224	.4452	.7377
458	1.250	.250	.6329	28.7612	.5161	.7397	513	1.350	.450	-.9252	27.9940	.5012	.7557
459	1.250	.300	.1337	28.6859	.5638	.7659	514	1.350	.498	-1.4411	28.0217	.5493	.7947
460	1.250	.349	-.1974	28.5637	.4936	.7467	515	1.350	.550	-1.7401	27.8460	.5082	.7781
461	1.250	.400	-.6142	28.7580	.5213	.7890	516	1.350	.600	-2.1899	27.8221	.5168	.7360
462	1.250	.450	-1.0501	28.5969	.4936	.8714	517	1.350	.649	-2.7138	27.8036	.5798	.6598
463	1.250	.500	-1.5395	28.6736	.5455	.7844	518	1.350	.698	-3.0252	27.8063	.5535	.7471
464	1.250	.549	-1.9393	28.7293	.6318	.7595	519	1.350	.750	-3.5370	27.7280	.5840	.7469
465	1.250	.600	-2.5648	28.6971	.6655	.8435	520	1.350	.800	-3.6965	27.5061	.6501	.7453
466	1.250	.650	-3.0507	28.5913	.6702	.8238	521	1.350	.849	-4.3171	27.5589	.6601	.7253
467	1.250	.700	-3.4823	28.3724	.6332	.9498	522	1.350	.898	-4.8033	27.3130	.6553	.6977
468	1.250	.749	-3.6647	28.3320	.6149	.9991	523	1.350	.950	-5.1495	27.1670	.6716	.7865
469	1.250	.800	-3.7652	28.2817	1.1223	1.3043	524	1.350	1.000	-5.6881	26.8666	.6486	.6228
470	1.250	.850	-4.4464	28.4800	1.0321	1.0063	525	1.350	1.049	-5.8149	26.7404	.7347	.7643
471	1.250	.900	-4.9901	28.3786	1.0252	.8522	526	1.350	1.098	-6.3642	26.2620	.6309	.7182
472	1.250	.949	-5.6727	28.1256	.8314	.8512	527	1.350	1.150	-6.9041	25.9927	.6704	.7066
473	1.250	1.000	-6.4631	27.9904	.7247	.7937	528	1.350	1.200	-7.1238	25.5209	.6994	.7218
474	1.250	1.050	-6.8776	27.6237	1.0377	1.0013	529	1.400	0.000	2.9124	27.3647	.4640	.5638
475	1.250	1.100	-7.5641	27.2321	.8192	.7923	530	1.400	.052	2.4617	27.2546	.5524	.6535
476	1.250	1.149	-8.1079	26.4592	.8046	.8355	531	1.400	.101	2.0381	27.4985	.4813	.6823
477	1.250	1.200	-8.3055	25.7327	.8870	.7967	532	1.400	.152	1.4559	27.5954	.5540	.7736
478	1.300	0.000	3.1073	28.1907	.6254	.6120	533	1.400	.203	1.0093	27.5202	.4523	.7813
479	1.300	.052	2.4356	28.1778	.5125	.8012	534	1.400	.252	.6331	27.5785	.5022	.6493
480	1.300	.101	1.9401	28.3021	.4894	.7165	535	1.400	.301	.3536	27.6219	.4821	.6510
481	1.300	.151	1.5890	28.4095	.5590	.6448	536	1.400	.352	-.2011	27.7130	.5324	.7090
482	1.300	.202	1.0167	28.5203	.5102	.7206	537	1.400	.403	-.5908	27.6211	.5257	.7000
483	1.300	.252	.5499	28.3707	.5058	.6746	538	1.400	.452	-.8018	27.4951	.5433	.6486
484	1.300	.299	.1597	28.5563	.5104	.7003	539	1.400	.501	-1.4220	27.5778	.6003	.7322
485	1.300	.349	-.2078	28.3578	.5203	.6238	540	1.400	.552	-1.8793	27.5103	.4590	.7513
486	1.300	.400	-.7025	28.3155	.5248	.7500	541	1.400	.603	-2.0113	27.3202	.4563	.7451
487	1.300	.450	-1.1445	28.3187	.5152	.6376	542	1.400	.652	-2.6341	27.3053	.5370	.7124
488	1.300	.499	-1.4068	28.2612	.5741	.7513	543	1.400	.701	-2.8236	27.3847	.6412	.8155
489	1.300	.549	-2.0501	28.3900	.5907	.8071	544	1.400	.752	-3.3963	27.2913	.5227	.6349
490	1.300	.600	-2.5867	28.2880	.6209	.7150	545	1.400	.802	-3.8195	27.2011	.5455	.8059
491	1.300	.650	-2.7650	28.2596	.6283	.7814	546	1.400	.852	-4.2292	27.1325	.5821	.6970
492	1.300	.699	-3.0747	28.0336	.5662	.7667	547	1.400	.901	-5.1533	26.9160	.6522	.7277
493	1.300	.749	-3.4170	28.0538	.5493	.7128	548	1.400	.952	-.8911	26.7844	.6092	.7451
494	1.300	.800	-3.9401	27.8136	.7059	.8258	549	1.400	1.002	-5.3046	26.5352	.5749	.7148
495	1.300	.850	-4.2591	27.7855	.7028	.8639	550	1.400	1.052	-5.6719	26.2266	.5762	.7354

TEST NUMBER 81062902 RUN NUMBER 7 X/D = 4.70

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
551	1.400	1.101	-6.0137	25.9476	.5698	.7367	606	-1.599	3.600	10.3998	19.7985	1.4577	1.2576
552	1.400	1.152	-6.1404	25.6786	.6638	.7083	607	-1.599	3.801	9.3689	18.6935	1.3115	.8488
553	1.400	1.203	-6.2581	25.2732	.5236	.6798	608	-1.599	4.000	8.1582	17.8475	.8347	.7177
554	-1.999	1.203	-6.5588	20.1340	.8134	.6625	609	-1.599	4.200	7.2240	17.1505	.7201	.5559
555	-1.999	1.403	-4.4612	20.8021	.9006	.7230	610	-1.599	4.400	6.3561	16.7662	.7204	.5988
556	-1.999	1.603	-4.1912	21.5704	1.0437	.6446	611	-1.599	4.600	5.8462	16.6162	.6446	.5778
557	-1.999	1.804	-3.2660	22.5152	1.5376	.9516	612	-1.599	4.800	5.0093	16.4354	.5962	.5168
558	-1.999	2.004	-3.3518	23.5264	1.7906	.9926	613	-1.599	5.000	4.5701	16.2729	.6726	.5076
559	-1.999	2.204	-1.2274	24.9588	1.3479	1.2584	614	-1.599	1.200	-3.2743	7.2995	5.3860	2.6178
560	-1.999	2.404	.2553	25.2620	1.8449	1.5032	615	-1.399	1.948	3.9492	21.8091	7.1069	7.0855
561	-1.999	2.604	1.9861	25.3879	1.6311	1.7250	616	-1.399	1.403	-6.4473	8.6808	5.7411	2.8019
562	-1.999	2.805	4.0543	25.0260	1.3194	1.4145	617	-1.399	1.603	-8.9520	11.1592	5.8735	2.5360
563	-1.999	3.004	5.9267	24.0817	.8225	1.0345	618	-1.399	1.803	-11.1696	12.9771	7.0100	2.7802
564	-1.999	3.205	6.2828	23.0015	1.0702	.8613	619	-1.399	2.003	-9.8988	18.0905	7.3400	3.3615
565	-1.999	3.405	6.9398	21.8387	.9725	.5843	620	-1.399	2.203	-9.1357	20.5975	8.0281	3.5616
566	-1.999	3.604	6.8401	20.6839	.9430	.5727	621	-1.399	2.403	-2.5509	24.0626	6.8445	4.1365
567	-1.999	3.804	6.5145	19.7009	.6829	.4591	622	-1.399	2.603	2.7550	24.1654	5.3974	3.8539
568	-1.999	4.004	6.1272	18.8774	.8303	.4958	623	-1.399	2.803	6.5156	23.4611	4.2434	3.9961
569	-1.999	4.204	5.7671	18.3531	.7458	.4352	624	-1.399	3.003	7.9882	20.8711	4.3364	3.9713
570	-1.999	4.404	5.3074	17.9934	.6891	.4954	625	-1.399	3.203	10.8101	20.0645	3.2684	3.5422
571	-1.999	4.604	4.9285	17.6796	.6006	.4014	626	-1.399	3.403	11.8090	18.3708	2.9341	2.7814
572	-1.999	4.804	4.5905	17.3345	.4938	.5089	627	-1.399	3.603	11.5381	18.6660	1.3231	1.6109
573	-1.999	5.004	3.9864	17.0772	.5236	.3942	628	-1.399	3.804	10.5436	17.4004	.9534	.9728
574	-1.999	5.200	-4.7503	19.7313	1.1337	.8968	629	-1.399	4.003	9.0892	16.7357	.7332	.8959
575	-1.799	1.404	-4.8066	20.7404	1.5265	1.2098	630	-1.399	4.203	7.6557	16.3295	.5685	.6000
576	-1.799	1.604	-5.6584	20.5785	2.5099	1.3770	631	-1.399	4.403	6.5860	16.0321	.7088	.5183
577	-1.799	1.805	-5.6006	21.1901	4.8662	1.9100	632	-1.399	4.603	5.7978	15.9279	.5581	.5531
578	-1.799	2.005	-5.8863	22.0301	4.8189	2.5866	633	-1.399	4.803	5.0858	15.8265	.5157	.5449
579	-1.799	2.205	-2.5140	22.2767	4.2947	2.8361	634	-1.399	5.002	4.4369	15.7677	.5425	.5424
580	-1.799	2.406	-1.5913	24.9959	4.4726	3.7684	635	-1.199	1.203	-6.6968	2.4147	2.3212	2.3873
581	-1.799	2.606	2.9092	25.9419	3.1570	3.4996	636	-1.199	1.403	-9.0681	3.1453	3.2851	2.1546
582	-1.799	2.806	4.9426	25.2698	3.1576	2.6374	637	-1.199	1.603	-11.4816	4.9561	5.4051	2.5512
583	-1.799	3.006	6.5753	24.6369	2.0000	2.8587	638	-1.199	1.804	-12.5937	6.4583	6.9436	3.1421
584	-1.799	3.206	8.1591	23.2824	1.6366	1.7314	639	-1.199	2.004	-16.0141	7.8171	8.8671	3.8930
585	-1.799	3.406	8.7174	21.8832	1.2135	.9536	640	-1.199	2.204	-12.6923	13.3636	11.2317	4.3912
586	-1.799	3.606	8.3740	20.2266	1.0159	.7228	641	-1.199	2.404	-3.0472	18.2287	13.1031	6.0004
587	-1.799	3.806	7.9159	19.3762	.9203	.5446	642	-1.199	2.603	6.3526	17.6233	5.6199	3.8246
588	-1.799	4.006	7.2902	18.6230	.8034	.5185	643	-1.199	2.804	8.2118	16.1223	4.5646	3.9754
589	-1.799	4.205	6.6297	17.9172	.6827	.5360	644	-1.199	3.003	7.3815	15.7379	4.6244	3.7228
590	-1.799	4.405	5.9574	17.3886	.6748	.5021	645	-1.199	3.203	9.9310	15.0322	4.4032	4.1333
591	-1.799	4.605	5.5282	17.1945	.5535	.4927	646	-1.199	3.403	11.2784	16.1061	3.4665	3.8975
592	-1.799	4.805	4.7874	16.8841	.6288	.5155	647	-1.199	3.603	12.0758	15.4785	2.5693	2.8540
593	-1.799	5.005	4.1814	16.7047	.4906	.4448	648	-1.199	3.803	11.1218	15.5994	1.3785	1.5257
594	-1.599	1.200	-3.5191	16.6218	4.0396	2.6146	649	-1.199	4.003	9.3600	15.2695	.8448	.9058
595	-1.599	1.404	-4.9731	15.1477	5.5896	3.1569	650	-1.199	4.203	7.7992	15.0057	.6072	.7123
596	-1.599	1.604	-5.7259	15.5066	6.0042	2.9196	651	-1.199	4.403	6.6522	14.9812	.6529	.6103
597	-1.599	1.804	-7.3525	18.0454	5.9668	2.9014	652	-1.199	4.603	5.8510	15.1980	.6369	.5729
598	-1.599	1.964	-7.6377	19.7855	6.5303	2.8654	653	-1.199	4.802	4.9296	15.2055	.4868	.4993
599	-1.599	2.202	-5.9744	23.4380	6.4442	3.6887	654	-1.199	5.002	4.2700	15.2697	.4780	.5474
600	-1.599	2.404	-2.7556	25.6494	5.5196	3.6972	655	-1.199	1.200	-7.3032	-4.9909	1.8745	1.7791
601	-1.599	2.604	1.6129	26.4167	3.9786	3.7450	656	-1.199	1.404	-10.1504	-1.7384	2.3363	2.8599
602	-1.599	2.804	5.2139	24.8951	4.6238	4.1145	657	-1.199	1.604	-12.1140	-2.1538	4.2592	2.4412
603	-1.599	3.000	7.8326	23.8702	2.7489	3.2594	658	-1.199	1.804	-12.4807	-2.9515	4.5333	2.5871
604	-1.599	3.201	9.9820	22.603	2.8555	3.1290	659	-1.199	2.005	-18.1643	-4.2436	4.7093	3.8651
605	-1.599	3.401	10.5269	20.8237	1.9554	1.5285	660	-1.199	2.204	-17.4406	-5.7588	5.0771	4.1959



TEST NUMBER 81062502 RUN NUMBER 7 X/D = 4.70

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
661	-.999	2.404	-11.0030	-5.4325	7.0593	5.9264	716	-.399	1.200	2.9693	-2.2337	3.0844	1.7499
662	-.999	2.604	2.6371	7.0332	9.3528	4.1041	717	-.399	1.403	-.3773	-9.2899	2.3915	2.2736
663	-.999	2.804	5.7111	7.0334	5.7249	3.7969	718	-.399	1.604	-5.9397	-13.6735	2.3831	2.5289
664	-.999	3.004	6.0849	10.1722	5.0594	3.7309	719	-.399	1.804	-10.6369	-16.2441	1.5221	2.4104
665	-.999	3.204	7.6167	10.6132	4.9746	3.7018	720	-.399	2.004	-14.3677	-15.6757	1.0896	2.5396
666	-.999	3.404	9.8375	12.0267	4.2150	3.3433	721	-.399	2.204	-14.7876	-13.7748	1.2768	2.3057
667	-.999	3.604	11.4069	12.6409	2.4658	2.0846	722	-.399	2.403	-13.7815	-11.3024	1.1202	2.3286
668	-.999	3.804	10.7045	13.3918	1.0581	1.5357	723	-.399	2.603	-11.2739	-8.2931	1.4942	2.3731
669	-.999	4.004	8.9651	13.5708	.8630	1.0449	724	-.399	2.803	-9.5603	-5.6583	1.7744	1.9911
670	-.999	4.204	7.4344	13.6320	.5714	.7953	725	-.399	3.003	-6.1425	-3.5275	2.4068	2.2181
671	-.999	4.403	6.1749	14.1265	.5921	.6870	726	-.399	3.203	-1.3086	-.0878	4.4425	2.5988
672	-.999	4.603	5.2355	14.2738	.5677	.5604	727	-.399	3.400	2.4301	3.1864	3.8347	2.5316
673	-.999	4.803	4.6332	14.5647	.5365	.4694	728	-.399	3.600	3.6710	5.1967	2.9516	1.5481
674	-.999	5.003	3.8746	14.8166	.4692	.5034	729	-.399	3.800	4.2500	7.4447	1.6975	1.1564
675	-.999	1.200	-6.4730	-2.9476	1.8825	1.7224	730	-.399	4.000	4.5004	9.2002	1.1955	.8461
676	-.999	1.404	-8.3206	-5.5911	1.9280	1.8677	731	-.399	4.200	4.0863	10.7017	.7116	.7639
677	-.999	1.604	-11.0532	-8.3400	2.1864	1.8526	732	-.399	4.399	3.4234	11.6171	.7115	.5934
678	-.999	1.804	-14.0147	-9.5578	3.0075	2.2864	733	-.399	4.599	2.8621	12.4285	.4620	.5157
679	-.999	2.004	-15.3009	-10.9008	3.2358	2.3365	734	-.399	4.800	2.6163	13.0780	.5013	.5809
680	-.999	2.204	-13.3706	-11.7890	4.4642	4.1401	735	-.399	5.000	2.3664	13.5489	.5223	.5508
681	-.999	2.404	-9.1138	-10.1262	6.1820	4.2678	736	-.199	1.199	11.7460	.2632	3.0665	1.9483
682	-.999	2.604	-4.1562	-5.6509	6.7120	4.0710	737	-.199	1.406	5.4210	-8.4086	4.4145	2.7637
683	-.999	2.800	-1.0173	.2125	7.0472	3.8025	738	-.199	1.609	-2.1638	-13.8399	3.3028	3.4134
684	-.999	3.000	2.6634	3.5810	6.5546	3.4610	739	-.199	1.800	-10.1774	-16.3665	2.4767	4.1450
685	-.999	3.200	5.2973	6.9530	5.3928	3.0008	740	-.199	2.000	-16.0294	-16.4293	1.8322	3.2780
686	-.999	3.399	7.7176	8.2568	4.1024	3.4307	741	-.199	2.200	-17.9863	-13.2326	1.2411	2.6922
687	-.999	3.599	9.2500	10.0340	2.8200	2.0616	742	-.199	2.400	-16.4383	-9.6226	.8650	2.2695
688	-.999	3.799	9.3039	10.9412	1.4087	1.5281	743	-.199	2.599	-14.1620	-6.0247	.8579	2.0012
689	-.999	3.999	7.9090	11.9005	.9681	1.0027	744	-.199	2.799	-10.8113	-3.5570	.8583	1.8367
690	-.999	4.199	6.8220	12.5775	.7007	.7151	745	-.199	2.999	-8.1129	-1.2182	.8862	1.6532
691	-.999	4.399	5.5900	13.1235	.5399	.6051	746	-.199	3.199	-5.4283	.5000	.9080	1.3567
692	-.999	4.599	4.8497	13.6980	.3707	.5527	747	-.199	3.398	-2.1137	2.6951	1.8665	1.5810
693	-.999	4.798	3.9562	14.0200	.2092	.4833	748	-.199	3.598	.1316	4.7104	1.6662	1.2823
694	-.999	4.998	3.4184	14.3611	.0331	.4669	749	-.199	3.798	1.3098	6.7399	1.5763	1.0444
695	-.999	1.200	-3.1872	-3.4878	2.1878	1.5951	750	-.199	3.998	2.0235	8.8472	1.0626	.6432
696	-.999	1.402	-5.3814	-7.9675	2.2692	2.0979	751	-.199	4.199	2.0754	10.1480	.7077	.6903
697	-.999	1.603	-8.7124	-11.3519	2.8260	1.9770	752	-.199	4.400	2.0971	11.2518	.5988	.5329
698	-.999	1.703	-10.3362	-12.5241	2.2027	1.9276	753	-.199	4.600	1.9563	12.1644	.4645	.5200
699	-.999	1.800	-12.3529	-13.6677	1.8909	1.7567	754	-.199	4.800	1.6872	12.8891	.5064	.4465
700	-.999	2.001	-13.3079	-14.1614	2.5283	2.2121	755	-.199	5.000	1.6840	13.3417	.5123	.4875
701	-.999	2.201	-12.9136	-13.9734	3.4434	3.4631	756	-.001	1.202	18.8463	1.1165	2.8469	1.8297
702	-.999	2.401	-11.9776	-11.6742	3.5007	2.6660	757	-.001	1.402	12.0385	-3.9583	4.2912	3.0401
703	-.999	2.601	-9.1546	-8.6754	5.0015	3.3308	758	-.001	1.600	2.8762	-11.5235	4.2045	3.3484
704	-.999	2.801	-6.9390	-4.8881	5.3341	2.4247	759	-.001	1.800	-9.3662	-13.2998	3.6755	5.5403
705	-.999	3.000	-2.1393	-.9668	6.2925	3.0739	760	-.001	2.000	-17.9677	-10.0075	2.8518	6.2790
706	-.999	3.200	2.5110	2.4899	5.6620	3.1946	761	-.001	2.200	-20.2990	-9.9489	2.4150	4.9771
707	-.999	3.400	5.8909	5.0001	3.6404	2.4829	762	-.001	2.400	-20.2806	-6.8134	1.2592	2.8504
708	-.999	3.600	6.9923	6.8643	2.7816	2.0603	763	-.001	2.600	-16.6499	-2.8205	.8850	2.6153
709	-.999	3.800	7.2051	9.0349	1.8139	1.5032	764	-.001	2.799	-12.7351	-.5182	.5433	1.7161
710	-.999	4.000	6.4266	10.3650	1.0099	1.1022	765	-.001	2.999	-9.5633	1.4297	.7970	1.5098
711	-.999	4.200	5.4381	11.4602	.5876	.7338	766	-.001	3.199	-6.8323	3.0698	.6375	1.3254
712	-.999	4.400	4.6687	12.1751	.6327	.6237	767	-.001	3.399	-4.0772	4.6334	.9959	.8869
713	-.999	4.600	3.9565	12.9686	.4885	.5069	768	-.001	3.599	-1.9313	6.2909	1.0234	.7171
714	-.999	4.800	3.4160	13.4607	.4729	.5658	769	-.001	3.799	-.9497	7.9015	.8735	.6210
715	-.999	5.000	3.0350	13.9218	.4671	.4296	770	-.001	3.999	.0612	9.2189	.7673	.4999

TEST NUMBER 81062502 RUN NUMBER 7 X/D = 4.70

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
771	.001	4.199	-5.779	10.6288	.6246	.4885	826	.600	3.200	-9.1911	10.2309	.3471	.6007
772	.001	4.399	.7712	11.4430	.5814	.4662	827	.600	3.400	-2.4154	10.4308	.4194	.5522
773	.001	4.599	.9308	12.2665	.5077	.4581	828	.600	3.600	-5.8232	11.7308	.4963	.5282
774	.001	4.799	.8472	12.9969	.4768	.4865	829	.600	3.800	-3.3685	11.1638	.3607	.5198
775	.001	4.999	.8738	13.4296	.4457	.5183	830	.600	4.000	-3.4418	11.5841	.4556	.3910
776	.001	1.200	20.5415	3.5453	2.1471	2.8072	831	.600	4.200	-2.4684	12.0975	.4866	.4905
777	.001	1.400	17.0143	1.4158	4.3237	3.0634	832	.600	4.400	-1.9373	12.6246	.4959	.4834
778	.001	1.600	10.4114	-3.4536	6.5763	4.8119	833	.600	4.600	-1.4176	12.9983	.4065	.3792
779	.001	1.800	-12.5333	-5.1095	4.1286	8.0820	834	.600	4.800	-1.1900	13.4507	.4804	.4527
780	.001	2.000	-21.4015	.0332	3.4455	5.0625	835	.600	5.000	-7.681	13.7580	.4074	.4249
781	.001	2.200	-21.5959	-.4925	3.7101	6.1624	836	.800	1.202	-4.0486	-2.7989	7.2278	8.1071
782	.001	2.400	-21.2220	-1.9588	2.8537	4.4291	837	.800	1.402	-9.337	10.6744	7.9665	7.0368
783	.001	2.599	-18.6861	.7135	.9566	2.4224	838	.800	1.602	-1.7738	19.3466	6.5497	6.2175
784	.001	2.800	-14.2169	2.7294	.6640	1.5193	839	.800	1.802	-10.1447	22.8363	5.3286	4.6104
785	.001	3.099	-10.8610	4.3818	.5128	1.1349	840	.800	2.002	-12.4895	21.0461	4.2529	4.5445
786	.001	3.199	-8.0095	5.5046	.5927	.8283	841	.800	2.201	-15.4873	18.3617	3.7583	3.6892
787	.001	3.399	-5.8288	6.7042	.5943	.7252	842	.800	2.401	-15.4873	15.4628	2.5143	2.2784
788	.001	3.599	-4.1293	7.8851	.7377	.7365	843	.800	2.600	-15.5871	15.4628	1.2333	.9764
789	.001	3.799	-2.4775	8.8854	.6293	.5329	844	.800	2.800	-13.0913	13.6211	.6219	.5096
790	.001	3.999	-1.5241	9.9675	.5078	.5023	845	.800	3.000	-10.9239	12.6042	.4141	.5453
791	.001	4.198	-7.7322	10.8739	.5260	.5607	846	.800	3.200	-9.1279	12.0822	.3795	.5022
792	.001	4.398	-2.2554	11.6643	.4216	.4549	847	.800	3.400	-7.4275	11.9073	.3530	.4845
793	.001	4.598	.0389	12.4204	.4876	.4780	848	.800	3.600	-5.8011	11.8947	.4285	.5780
794	.001	4.800	.1961	13.0034	.4440	.4858	849	.800	3.800	-4.9514	12.3088	.4232	.4494
795	.001	5.000	.2700	13.4180	.4848	.3642	850	.800	4.000	-3.9518	12.5175	.3680	.4391
796	.001	1.201	18.2145	8.5059	2.8886	4.0668	851	.800	4.200	-2.8914	12.6891	.4731	.4665
797	.001	1.400	17.5845	12.3136	3.8308	4.6288	852	.800	4.400	-2.4726	13.0675	.4366	.4078
798	.001	1.600	10.6579	19.2288	4.4516	4.9576	853	.800	4.600	-1.8823	13.4006	.4404	.5000
799	.001	1.801	-11.8595	20.3530	6.7183	3.3025	854	.800	4.800	-1.6302	13.6244	.3475	.4528
800	.001	2.001	-19.9791	14.9973	4.4790	3.7285	855	.800	5.000	-1.2887	13.9644	.4230	.4439
801	.001	2.201	-20.4564	12.1736	4.0096	3.9101	856	1.000	1.201	-12.2571	18.4754	4.0310	5.1471
802	.001	2.400	-20.2956	7.9368	3.8532	4.4887	857	1.000	1.401	-9.3835	19.6037	2.6655	6.5737
803	.001	2.600	-19.9147	7.3078	1.5989	2.3539	858	1.000	1.601	-7.3388	22.0212	2.5557	4.2862
804	.001	2.800	-15.3338	7.3743	.5942	.8876	859	1.000	1.801	-7.7276	23.3376	2.6439	4.1299
805	.001	3.000	-11.7231	7.4810	.4582	.8463	860	1.000	2.001	-9.3701	23.2995	2.6333	3.1605
806	.001	3.200	-9.0309	8.0438	.3692	.8351	861	1.000	2.200	-12.4451	21.7569	1.7916	2.8851
807	.001	3.400	-6.7935	8.6268	.4718	.6657	862	1.000	2.400	-13.1831	19.3343	1.0325	.9708
808	.001	3.600	-5.1302	9.3392	.4810	.5648	863	1.000	2.600	-12.7557	17.0679	.7205	.7897
809	.001	3.799	-3.7209	10.0998	.3162	.4907	864	1.000	2.800	-11.5384	15.2932	.4388	.5983
810	.001	3.999	-2.5781	10.7851	.4876	.4469	865	1.000	3.000	-10.0221	14.2221	.4285	.4672
811	.001	4.199	-1.8996	11.4763	.4713	.5112	866	1.000	3.200	-8.5829	13.6348	.3769	.5153
812	.001	4.399	-1.2484	12.0783	.4130	.4342	867	1.000	3.400	-7.2435	13.2662	.4275	.4156
813	.001	4.599	-7.7535	12.6722	.3815	.4756	868	1.000	3.600	-6.0394	13.1024	.3515	.5307
814	.001	4.800	-4.4718	13.1403	.5003	.4597	869	1.000	3.800	-5.0281	13.0182	.4145	.5811
815	.001	4.999	-2.819	13.5037	.4370	.4596	870	1.000	3.999	-4.1889	13.1902	.4484	.4899
816	.000	1.202	8.3382	6.0202	7.3347	6.5403	871	1.000	4.200	-3.4186	13.4221	.4868	.5248
817	.000	1.402	12.6102	15.3324	4.8821	4.4007	872	1.000	4.400	-2.9095	13.6899	.4217	.4658
818	.000	1.602	4.6623	23.0108	3.5929	3.0964	873	1.000	4.600	-2.3716	13.6990	.4442	.4754
819	.000	1.802	-7.1751	24.8954	4.3554	2.8534	874	1.000	4.800	-1.9155	13.9955	.4005	.4722
820	.000	2.002	-14.7695	22.8818	4.6352	4.3052	875	1.000	5.000	-1.5965	14.3133	.3995	.4234
821	.000	2.202	-16.5166	18.7045	4.0658	3.3590	876	1.200	1.201	-8.9954	26.4515	1.0981	1.0253
822	.000	2.402	-17.9995	14.7429	3.2593	3.3843	877	1.200	1.400	-7.8453	24.2290	.9568	1.3934
823	.000	2.601	-18.0526	12.3067	1.7931	1.6158	878	1.200	1.600	-7.7456	23.3377	1.0814	1.5351
824	.000	2.801	-14.6342	10.9963	.6508	.7031	879	1.200	1.800	-6.5081	23.3544	1.0717	1.0785
825	.000	3.000	-11.7051	10.3281	.5121	.6593	880	1.200	2.001	-9.6425	22.5166	1.0921	.8599

TEST NUMBER		RUN NUMBER		7		X/D = 4.70	
MS	VS	W	V	Z	Y	NO.	
881	881	21.2042	-10.5673	2.200	1.200	917	
882	882	19.3491	-11.0657	2.400	1.600	918	
883	883	17.8318	-9.7888	2.600	1.800	919	
884	884	16.4203	-9.9253	2.800	1.600	920	
885	885	15.3687	-8.8882	3.000	1.600	921	
886	886	14.6627	-7.9815	3.200	1.600	922	
887	887	14.2584	-6.8852	3.399	1.600	923	
888	888	14.0638	-5.9113	3.599	1.600	924	
889	889	13.8650	-5.0372	3.799	1.600	925	
890	890	13.8827	-4.3332	3.999	1.600	926	
891	891	14.0286	-3.7668	4.199	1.600	927	
892	892	14.1755	-3.1753	4.399	1.600	928	
893	893	14.2637	-2.6522	4.599	1.600	929	
894	894	14.4569	-2.2249	4.799	1.600	930	
895	895	14.5041	-1.7562	5.000	1.600	931	
896	896	15.3086	-6.3377	1.202	1.600	932	
897	897	14.2619	-7.0648	1.401	1.600	933	
898	898	23.3831	-7.3661	1.601	1.600	934	
899	899	22.7612	-7.8950	1.801	1.600	935	
900	900	21.9784	-8.5946	2.001	1.800	936	
901	901	20.7560	-9.0838	2.200	1.800	937	
902	902	19.3937	-9.3851	2.400	1.800	938	
903	903	18.0725	-9.2721	2.600	1.800	939	
904	904	17.0952	-8.8022	2.800	1.800	940	
905	905	16.2245	-8.0159	3.000	1.800	941	
906	906	15.5936	-7.2782	3.200	1.800	942	
907	907	15.0995	-6.5617	3.400	1.800	943	
908	908	14.8431	-5.7077	3.600	1.800	944	
909	909	14.5831	-4.9517	3.800	1.800	945	
910	910	14.6162	-4.2405	4.000	1.800	946	
911	911	14.5769	-3.6853	4.199	1.800	947	
912	912	14.5770	-3.2771	4.399	1.800	948	
913	913	14.6956	-2.7729	4.599	1.800	949	
914	914	14.8005	-2.4099	4.799	1.800	950	
915	915	14.8753	-2.0463	4.999	1.800	951	
916	916	14.5226	-5.3111	1.202	1.800	952	
8821	8821	23.9242	-5.9728	1.402	1.600	953	
8822	8822	22.9242	-6.6354	1.602	1.600	954	
8823	8823	22.2827	-7.2272	1.802	1.600	955	
8824	8824	21.4407	-7.6010	2.002	1.600	956	
8825	8825	20.4836	-7.9383	2.202	1.600	957	
8826	8826	19.4082	-8.1723	2.402	1.600	958	
8827	8827	18.4311	-6.0501	2.600	1.600	959	
8828	8828	17.5871	-7.7394	2.801	1.600	960	
8829	8829	16.8603	-7.3221	3.001	1.600	961	
8830	8830	16.0803	-6.6367	3.200	1.600	962	
8831	8831	15.6667	-5.9966	3.400	1.600	963	
8832	8832	15.4558	-5.3668	3.600	1.600	964	
8833	8833	15.2851	-4.8093	3.800	1.600	965	
8834	8834	15.0758	-4.2717	4.000	1.600	966	
8835	8835	14.9910	-3.7203	4.200	1.600	967	
8836	8836	14.9658	-3.2995	4.400	1.600	968	
8837	8837	15.0065	-2.8598	4.600	1.600	969	
8838	8838	15.0802	-2.5811	4.800	1.600	970	
8839	8839	15.1745	-2.2049	5.000	1.600	971	
8840	8840	23.8945	-5.5040	1.202	1.800	972	
8841	8841	23.1622	-5.3828	1.402	1.800	973	
8842	8842	22.4829	-5.8901	1.602	1.800	974	
8843	8843	21.8126	-6.3249	1.802	1.800	975	
8844	8844	21.0880	-6.6617	2.002	1.800	976	
8845	8845	20.2699	-6.9856	2.200	1.800	977	
8846	8846	19.5301	-7.1813	2.401	1.800	978	
8847	8847	18.6289	-7.1081	2.601	1.800	979	
8848	8848	17.9299	-6.8237	2.801	1.800	980	
8849	8849	17.2704	-6.5213	3.001	1.800	981	
8850	8850	16.6844	-6.0600	3.200	1.800	982	
8851	8851	16.2948	-5.5505	3.400	1.800	983	
8852	8852	15.9168	-5.1136	3.600	1.800	984	
8853	8853	15.6777	-4.6400	3.800	1.800	985	
8854	8854	15.4128	-4.1189	4.000	1.800	986	
8855	8855	15.3256	-3.7256	4.200	1.800	987	
8856	8856	15.3263	-3.2350	4.400	1.800	988	

TEST NUMBER 81071515 RUN NUMBER 8 X/D = 2.60

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
1	-1.199	0.000	-3.5856	25.2094	1.0930	.7340	56	-1.100	.250	-1.0700	25.4468	1.2168	1.2115
2	-1.199	.050	-2.9856	25.5339	.9206	.8086	57	-1.100	.302	-1.0700	25.5142	1.3122	1.0209
3	-1.199	.102	-2.4389	25.5459	.9179	.6926	58	-1.100	.352	-1.0700	25.5142	1.5197	1.5771
4	-1.199	.152	-2.1707	25.5997	.9545	.7743	59	-1.100	.401	-1.0700	25.5997	1.6777	1.6727
5	-1.199	.201	-1.7639	25.5099	1.0705	.6748	60	-1.100	.451	-1.0700	25.5099	1.6777	1.6727
6	-1.199	.250	-1.6171	25.4615	.9097	.7798	61	-1.100	.502	-1.0700	25.4615	1.6777	1.6727
7	-1.199	.302	-1.8061	25.7074	.9887	.7242	62	-1.100	.552	-1.0700	25.7074	1.6777	1.6727
8	-1.199	.352	-1.6891	25.3894	.9887	.7242	63	-1.100	.601	-1.0700	25.3894	1.6777	1.6727
9	-1.199	.401	-1.2508	25.4916	1.0654	.7233	64	-1.100	.651	-1.0700	25.4916	1.6777	1.6727
10	-1.199	.450	-1.0285	25.4140	1.0593	.6967	65	-1.100	.702	-1.0700	25.4140	1.6777	1.6727
11	-1.199	.502	-1.4928	25.4346	.9843	.7828	66	-1.100	.752	-1.0700	25.4346	1.6777	1.6727
12	-1.199	.552	-1.0981	25.4060	1.1205	.7583	67	-1.100	.801	-1.0700	25.4060	1.6777	1.6727
13	-1.199	.601	-1.0980	25.4234	.8801	.7901	68	-1.100	.851	-1.0700	25.4234	1.6777	1.6727
14	-1.199	.650	-1.6666	25.4492	1.3614	.9368	69	-1.100	.902	-1.0700	25.4492	1.6777	1.6727
15	-1.199	.702	-2.1320	25.3955	1.0449	.9042	70	-1.100	.952	-1.0700	25.3955	1.6777	1.6727
16	-1.199	.752	-2.6884	25.3136	1.5798	.8739	71	-1.100	1.001	-1.0700	25.3136	1.6777	1.6727
17	-1.199	.801	-2.8067	25.1209	1.1903	.8597	72	-1.100	1.051	-1.0700	25.1209	1.6777	1.6727
18	-1.199	.850	-3.3866	24.9418	1.7214	1.0207	73	-1.100	1.102	-1.0700	24.9418	1.6777	1.6727
19	-1.199	.902	-3.7359	24.7293	.9463	.9562	74	-1.100	1.152	-1.0700	24.7293	1.6777	1.6727
20	-1.199	.952	-4.0526	24.4484	1.0393	.9202	75	-1.100	1.201	-1.0700	24.4484	1.6777	1.6727
21	-1.199	1.002	-4.0338	24.1239	1.1178	.8903	76	-1.049	.382	-1.0700	24.1239	1.6777	1.6727
22	-1.199	1.050	-4.3656	24.1957	.9107	.9572	77	-1.049	.332	-1.0700	24.1957	1.6777	1.6727
23	-1.199	1.102	-4.6109	24.0365	1.1103	.9779	78	-1.049	.401	-1.0700	24.0365	1.6777	1.6727
24	-1.199	1.152	-4.4446	23.6339	1.3861	1.0504	79	-1.049	.451	-1.0700	23.6339	1.6777	1.6727
25	-1.199	1.202	-4.7829	23.6128	1.8694	.8665	80	-1.049	.502	-1.0700	23.6128	1.6777	1.6727
26	-1.150	.002	-3.4176	25.7474	.7632	.6495	81	-1.049	.552	-1.0700	25.7474	1.6777	1.6727
27	-1.150	.052	-2.9203	25.7451	.7898	.6871	82	-1.049	.601	-1.0700	25.7451	1.6777	1.6727
28	-1.150	.101	-2.4769	25.8019	.8154	.7876	83	-1.049	.651	-1.0700	25.8019	1.6777	1.6727
29	-1.150	.150	-2.1237	25.9115	.8116	.6857	84	-1.049	.702	-1.0700	25.9115	1.6777	1.6727
30	-1.150	.202	-1.7112	25.7935	.8779	.7038	85	-1.049	.752	-1.0700	25.7935	1.6777	1.6727
31	-1.150	.252	-1.1704	25.9827	.8641	.6755	86	-1.049	.801	-1.0700	25.9827	1.6777	1.6727
32	-1.150	.302	-1.6748	25.9017	.9143	.7726	87	-1.049	.851	-1.0700	25.9017	1.6777	1.6727
33	-1.150	.351	-1.4357	25.8676	.7508	.7831	88	-1.049	.902	-1.0700	25.8676	1.6777	1.6727
34	-1.150	.402	-1.1603	25.8407	1.1844	.7834	89	-1.049	.952	-1.0700	25.8407	1.6777	1.6727
35	-1.150	.452	-1.3374	25.6451	1.1860	.7425	90	-1.049	1.001	-1.0700	25.6451	1.6777	1.6727
36	-1.150	.502	-1.7413	25.7909	.9985	.7864	91	-1.049	1.051	-1.0700	25.7909	1.6777	1.6727
37	-1.150	.551	-1.1606	25.6920	1.1680	.8407	92	-1.049	1.102	-1.0700	25.6920	1.6777	1.6727
38	-1.150	.602	-1.3735	25.7654	1.3776	1.0339	93	-1.049	1.152	-1.0700	25.7654	1.6777	1.6727
39	-1.150	.652	-1.7066	25.7832	1.4009	1.0880	94	-1.049	1.201	-1.0700	25.7832	1.6777	1.6727
40	-1.150	.702	-2.0679	25.7746	1.1304	1.0709	95	-1.049	.452	-1.0700	25.7746	1.6777	1.6727
41	-1.150	.751	-2.5281	25.7140	1.3788	1.3257	96	-1.049	.502	-1.0700	25.7140	1.6777	1.6727
42	-1.150	.802	-3.4625	25.5851	1.2506	1.1989	97	-1.049	.552	-1.0700	25.5851	1.6777	1.6727
43	-1.150	.852	-3.9921	25.3057	1.1719	1.2212	98	-1.049	.601	-1.0700	25.3057	1.6777	1.6727
44	-1.150	.902	-4.1116	24.9938	1.3768	1.0856	99	-1.049	.652	-1.0700	24.9938	1.6777	1.6727
45	-1.150	.951	-4.3864	24.2096	1.5626	1.9513	100	-1.049	.702	-1.0700	24.2096	1.6777	1.6727
46	-1.150	1.002	-4.5816	24.2510	1.3014	.9481	101	-1.049	.752	-1.0700	24.2510	1.6777	1.6727
47	-1.150	1.052	-4.5405	23.7547	1.3805	1.0712	102	-1.049	.799	-1.0700	23.7547	1.6777	1.6727
48	-1.150	1.102	-4.6322	23.9784	1.4453	1.2004	103	-1.049	.851	-1.0700	23.9784	1.6777	1.6727
49	-1.150	1.151	-4.9328	23.6238	1.4721	.9497	104	-1.049	.901	-1.0700	23.6238	1.6777	1.6727
50	-1.150	1.202	-4.6831	23.7536	1.7851	1.1342	105	-1.049	.950	-1.0700	23.7536	1.6777	1.6727
51	-1.100	.002	-3.1326	26.3229	.9977	.6699	106	-1.049	1.000	-1.0700	26.3229	1.6777	1.6727
52	-1.100	.051	-2.9400	26.1951	.7570	.6193	107	-1.049	1.051	-1.0700	26.1951	1.6777	1.6727
53	-1.100	.102	-2.5359	25.9142	.6250	.6374	108	-1.049	1.101	-1.0700	25.9142	1.6777	1.6727
54	-1.100	.152	-1.9217	25.7784	.9124	.7402	109	-1.049	1.150	-1.0700	25.7784	1.6777	1.6727
55	-1.100	.201	-1.5279	25.6849	.7619	.7566	110	-1.049	1.200	-1.0700	25.6849	1.6777	1.6727

TEST NUMBER 81071515 RUN NUMBER 8 X/D = 2.60

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS	VS	WS
111	-950	.601	-4.1801	-2347	4.8295	2.3373	166	-700	1.100	-17.1094	6.7631	2.8149	2.2073	2.8149	2.2073
112	-950	.650	-4.4400	-1311	4.3888	2.8347	167	-700	1.150	-17.1434	9.3489	3.6611	2.2951	3.6611	2.2951
113	-950	.700	-4.0570	.4165	5.3165	2.8100	168	-700	1.201	-16.8486	10.9689	2.8253	3.6127	2.8253	3.6127
114	-950	.751	-1.3376	.9045	6.5556	4.1808	169	-650	.950	-.0636	4.7060	4.7060	4.7060	4.7060	4.7060
115	-950	.799	-.2343	2.2215	7.1780	4.3482	170	-650	1.001	-9.2303	4.8696	5.9085	3.7680	5.9085	3.7680
116	-950	.850	.7152	3.5644	7.5091	3.9610	171	-650	1.050	-17.0219	5.7118	4.4102	2.0124	5.7118	4.4102
117	-950	.901	3.0773	5.8314	8.5752	3.4644	172	-650	1.100	-17.7348	6.6193	3.7586	1.7545	6.6193	3.7586
118	-950	.951	2.9801	9.1117	7.8098	4.1079	173	-650	1.150	-18.7353	8.0374	4.1337	2.3573	8.0374	4.1337
119	-950	1.000	2.7191	10.6419	9.1117	3.2849	174	-650	1.201	-18.2215	9.5486	4.3145	2.7420	9.5486	4.3145
120	-950	1.050	1.1794	8.9853	8.6225	3.9165	175	-600	1.001	-6.5493	5.8175	7.8099	4.1071	5.8175	7.8099
121	-950	1.102	2.2053	12.5299	7.8068	3.4195	176	-600	1.050	-17.6630	5.0037	3.7782	1.5046	5.0037	3.7782
122	-950	1.151	.2090	13.2944	8.3341	3.7713	177	-600	1.100	-19.3155	4.9211	3.5108	1.4852	4.9211	3.5108
123	-950	1.200	1.2479	15.9102	7.5632	3.7242	178	-600	1.151	-19.1624	6.3266	4.3363	2.1942	6.3266	4.3363
124	-900	.701	-3.7739	-1.6869	5.0246	3.1664	179	-600	1.201	-20.0306	6.2161	4.0273	2.5126	6.2161	4.0273
125	-900	.751	-2.2367	-1.3988	5.3309	3.9709	180	-550	1.050	-16.6403	4.0391	5.2707	1.2455	4.0391	5.2707
126	-900	.800	-1.7922	-2.3823	5.9246	4.5043	181	-550	1.100	-18.0609	3.4130	3.8221	1.6230	3.4130	3.8221
127	-900	.850	-.9280	-1.7149	6.9708	4.2343	182	-550	1.150	-19.8116	4.3288	4.9930	1.9387	4.3288	4.9930
128	-900	.901	.9231	-1.8575	7.5887	3.9816	183	-550	1.201	-20.0501	3.3887	4.0992	2.8564	3.3887	4.0992
129	-900	.951	.6182	.3741	7.9310	4.7373	184	-500	1.050	-13.2611	6.1578	10.0151	1.1318	6.1578	10.0151
130	-900	1.000	.3416	3.9997	8.4700	4.4186	185	-500	1.102	-18.3265	1.7954	4.5352	1.4436	1.7954	4.5352
131	-900	1.050	-2.1365	4.6945	8.0215	4.6376	186	-500	1.153	-20.0143	1.4879	3.8852	2.0639	1.4879	3.8852
132	-900	1.101	-1.1307	8.6071	7.7609	5.1880	187	-500	1.202	-19.6898	.3064	4.2847	2.8911	.3064	4.2847
133	-900	1.151	-1.6509	11.0393	7.8109	4.9188	188	-450	1.100	-13.0779	4.8248	11.0116	1.2594	4.8248	11.0116
134	-900	1.200	-2.0659	14.0626	7.3938	4.5492	189	-450	1.152	-19.2985	-.4566	3.9123	1.7535	-.4566	3.9123
135	-850	.750	-.9547	-1.4216	6.5328	3.9275	190	-450	1.202	-19.2956	-2.6117	3.4226	3.2886	-2.6117	3.4226
136	-850	.800	-.0482	-3.0350	5.5630	4.0393	191	-400	1.102	-14.0113	2.3076	8.8647	1.1880	2.3076	8.8647
137	-850	.851	1.0310	-3.6773	6.5980	3.9151	192	-400	1.152	-16.5297	-1.2236	6.5581	1.7128	-1.2236	6.5581
138	-850	.900	-.0862	-2.1622	6.9280	4.3604	193	-400	1.200	-16.1469	-3.9079	3.5789	2.3821	-3.9079	3.5789
139	-850	.950	-1.7764	-2.5797	7.7952	5.2359	194	-350	1.152	-14.1324	-.8609	7.0876	1.4475	-.8609	7.0876
140	-850	1.000	-6.3442	.9403	7.3761	4.4313	195	-350	1.202	-15.8018	-4.0112	3.8060	2.0091	-4.0112	3.8060
141	-850	1.051	-6.3527	3.3196	6.2044	4.6503	196	-300	1.152	-10.9282	1.1520	9.8224	1.3115	1.1520	9.8224
142	-850	1.101	-4.6883	6.9325	6.7416	4.9487	197	-300	1.200	-13.7219	-4.3265	4.2513	1.5390	-4.3265	4.2513
143	-850	1.150	-.7238	9.9960	6.1542	4.5517	198	-250	1.151	-5.5637	4.9392	11.9057	.9801	4.9392	11.9057
144	-850	1.200	-5.0599	12.9692	5.5216	4.9038	199	-250	1.202	-11.1067	-3.9668	4.4018	1.1492	-3.9668	4.4018
145	-800	.800	.7589	-5.809	5.9246	4.4767	200	-200	1.202	-7.6983	-1.7804	6.7504	1.1009	-1.7804	6.7504
146	-800	.850	1.7866	-2.3404	5.3336	4.6421	201	-150	1.202	-6.4432	-1.6950	4.3519	.8693	-1.6950	4.3519
147	-800	.901	.8557	-3.9010	5.7112	4.4043	202	-100	1.202	-3.8185	-.4004	5.8763	.8654	-.4004	5.8763
148	-800	.951	-3.2506	-2.5384	6.9485	5.3326	203	-050	1.202	-1.9061	-.0253	4.3315	.9398	-.0253	4.3315
149	-800	1.000	-7.1394	-.8852	5.2527	5.7482	204	0.000	1.202	.1563	-.0417	4.0442	.9405	-.0417	4.0442
150	-800	1.050	-11.1314	2.6955	4.2200	4.4764	205	.050	1.202	2.0806	-.9166	1.7675	.8711	-.9166	1.7675
151	-800	1.101	-9.9285	7.0441	5.2380	4.4863	206	.100	1.202	4.3639	-1.1959	1.3999	.8858	-1.1959	1.3999
152	-800	1.151	-10.4573	9.3583	3.7390	3.5140	207	.150	1.202	6.9467	-1.7011	1.7494	.9346	-1.7011	1.7494
153	-800	1.200	-9.3459	12.6234	3.8813	4.0205	208	.200	1.202	9.2938	-2.7924	1.1899	.8340	-2.7924	1.1899
154	-750	.851	4.8880	2.4308	5.6781	4.4304	209	.250	1.202	11.6773	-3.7292	1.5741	.8644	-3.7292	1.5741
155	-750	.901	2.2170	-.9058	5.9209	5.2050	210	.300	1.152	15.2601	-1.8207	4.4773	1.0891	-1.8207	4.4773
156	-750	.950	-3.5076	-7.1112	6.7317	5.9934	211	.300	1.200	13.9578	-4.8743	2.1189	.8664	-4.8743	2.1189
157	-750	.999	-9.7413	1.8223	6.0531	5.5039	212	.350	1.152	16.9642	-2.9833	1.6743	1.1954	-2.9833	1.6743
158	-750	1.051	-12.6507	5.7184	5.6444	3.2868	213	.350	1.202	16.3348	-5.1262	1.8890	1.1533	-5.1262	1.8890
159	-750	1.101	-14.2688	7.0383	2.6578	2.6602	214	.400	1.152	18.0556	-2.9465	1.4536	1.3612	-2.9465	1.4536
160	-750	1.150	-14.4668	9.7566	3.7286	2.6535	215	.400	1.202	18.4439	-4.6185	2.0974	1.6288	-4.6185	2.0974
161	-750	1.200	-13.4289	12.1748	3.1594	2.8618	216	.450	1.152	20.2495	-2.4664	2.0518	1.3530	-2.4664	2.0518
162	-700	.900	5.0563	5.2202	5.9667	4.5264	217	.500	1.200	20.3774	-3.3478	2.3387	1.4305	-3.3478	2.3387
163	-700	.950	-3.7926	3.2390	6.7798	4.4160	218	.500	1.102	20.3944	-.1254	1.9275	1.2529	-.1254	1.9275
164	-700	1.001	-11.7260	4.0106	6.5167	3.7420	219	.500	1.152	21.5482	-.9191	1.9191	1.2790	-.9191	1.9191
165	-700	1.050	-10.3954	5.5571	4.0850	2.4622	220	.500	1.202	21.4816	-1.4075	3.0677	1.8007	-1.4075	3.0677

TEST NUMBER 81071515 RUN NUMBER 8 X/D = 2.60

NO.	Y	Z	V	W	VS	NO.	Y	Z	V	W	VS	MS
221	.550	1.101	20.7369	1.6155	1.4167	276	.950	1.150	4.1871	9.2542	4.5724	6.9165
222	.550	1.152	22.2992	1.2546	1.5768	277	.950	1.201	4.6544	12.1638	4.7780	6.7405
223	.550	1.202	22.2703	1.4229	2.0805	278	1.000	.650	6.4374	-1.3065	1.9188	3.2840
224	.600	1.052	19.5204	2.8051	1.5170	279	1.000	.700	6.1216	-1.7616	3.2880	3.3835
225	.600	1.101	20.9529	3.0907	1.5360	280	1.000	.751	4.8927	.3552	3.9670	4.5320
226	.600	1.151	21.9948	3.7964	1.9105	281	1.000	.801	3.8247	1.6565	3.9413	5.3624
227	.600	1.202	22.0491	4.3590	2.5087	282	1.000	.850	1.7052	2.0349	3.7441	6.3134
228	.650	1.001	7.3280	3.8966	2.9738	283	1.000	.900	.7798	4.3688	4.3045	7.9802
229	.650	1.052	18.2197	4.4213	2.1194	284	1.000	.951	1.3679	4.4948	4.5721	8.5910
230	.650	1.102	20.6179	4.8227	1.9904	285	1.000	1.001	-1.2095	7.9201	3.5596	9.5832
231	.650	1.152	21.2700	5.7102	1.9972	286	1.000	1.050	.6579	9.0929	3.3149	8.4759
232	.650	1.200	21.0637	7.1516	3.2782	287	1.000	1.100	-3.647	11.4200	3.9711	8.3738
233	.700	1.000	9.4589	4.3284	6.3548	288	1.000	1.152	-1.2459	14.4246	3.8835	8.3420
234	.700	1.052	17.5406	5.2989	2.9664	289	1.000	1.201	.1843	15.4766	5.1842	8.5376
235	.700	1.102	19.3356	5.9170	1.9423	290	1.050	.550	4.2886	.0060	2.1042	2.7942
236	.700	1.152	19.5400	7.8110	2.8876	291	1.050	.600	6.5147	.6513	4.5479	2.9785
237	.700	1.200	18.9281	9.6507	3.5282	292	1.050	.651	5.5844	.9192	2.4773	3.5239
238	.750	.951	2.3987	3.3342	5.8574	293	1.050	.701	4.9433	2.8682	2.8535	4.1788
239	.750	1.002	10.6626	3.3186	3.3432	294	1.050	.750	4.9159	5.0208	3.7032	5.4407
240	.750	1.052	16.7050	4.3115	3.6144	295	1.050	.800	2.2824	7.6638	3.8505	5.8444
241	.750	1.102	18.0530	6.3711	2.7204	296	1.050	.851	.0319	9.8250	3.8738	8.4938
242	.750	1.151	18.0257	8.6284	2.4079	297	1.050	.901	-1.0080	10.5356	3.9940	8.6817
243	.750	1.202	16.3647	10.8034	3.3654	298	1.050	.950	-1.8113	12.1133	4.3051	8.3291
244	.800	.901	.3123	-8.144	6.0187	299	1.050	1.000	-2.0534	14.0974	3.7354	9.8737
245	.800	.952	4.5260	-1.0781	6.3478	300	1.050	1.051	-4.3839	17.0088	3.3781	6.7590
246	.800	1.002	11.1569	-4.111	4.9066	301	1.050	1.101	-3.9943	17.5874	3.5987	6.9891
247	.800	1.051	14.8283	2.2481	3.9728	302	1.050	1.150	-1.1262	17.7262	3.1390	8.4231
248	.800	1.099	16.2283	5.6438	2.9846	303	1.050	1.200	-3.2370	19.5656	3.8912	7.6432
249	.800	1.150	15.1245	8.4700	3.2455	304	1.100	.450	2.7437	-7.195	1.8950	2.6787
250	.800	1.200	13.0933	12.1331	2.8934	305	1.100	.502	3.5756	.4639	2.6910	2.7173
251	.850	.850	1.8764	-1.1881	5.9563	306	1.100	.552	4.5696	1.2641	2.7505	3.6835
252	.850	.899	1.3588	-3.9067	5.0160	307	1.100	.600	4.2971	4.1201	3.4765	4.5813
253	.850	.950	5.1209	-3.4588	5.1610	308	1.100	.650	2.8914	6.8622	2.8836	7.1450
254	.850	1.000	8.9694	-2.9622	4.1680	309	1.100	.702	1.4737	11.4925	3.9957	7.4251
255	.850	1.049	11.7744	.5948	3.4972	310	1.100	.751	.6770	14.2528	4.1272	8.4609
256	.850	1.099	12.6447	4.7399	2.7447	311	1.100	.800	-1.8663	17.2251	3.7313	7.7255
257	.850	1.150	11.1532	8.3492	2.9413	312	1.100	.850	-2.6040	17.8768	3.7448	6.9962
258	.850	1.200	10.5500	11.9008	2.7228	313	1.100	.902	-3.8172	20.3014	3.8461	6.3033
259	.900	.799	5.4958	-1.4358	4.7970	314	1.100	.951	-4.9068	22.0550	2.9925	4.7021
260	.900	.851	2.0903	-4.1437	4.7166	315	1.100	1.000	-5.2038	21.6844	3.4898	4.5873
261	.900	.902	3.6321	-3.7846	5.5495	316	1.100	1.050	-4.8602	22.4719	2.0221	3.5458
262	.900	.951	4.3269	-3.2572	5.0000	317	1.100	1.100	-4.8122	22.5210	2.3949	3.9887
263	.900	.999	6.0017	-1.2422	4.7764	318	1.100	1.152	-5.1116	23.2285	1.9190	3.1279
264	.900	1.051	9.0262	1.5329	4.6482	319	1.100	1.200	-5.0468	23.0609	1.8783	3.4638
265	.900	1.102	7.4929	4.6246	5.2343	320	1.150	.252	.6516	3.7614	2.5852	2.7941
266	.900	1.151	8.3221	8.2789	4.3961	321	1.150	.302	-7.0459	5.2537	2.9384	4.9764
267	.900	1.200	6.1515	11.2642	5.3090	322	1.150	.352	.6694	7.1747	4.8836	6.2778
268	.950	.750	5.0595	-1.6108	3.6380	323	1.150	.401	.2515	11.4564	5.8963	6.9640
269	.950	.800	4.8027	-2.0789	4.5026	324	1.150	.452	.2517	13.9784	5.3272	7.6584
270	.950	.851	3.6939	-1.1847	4.9729	325	1.150	.502	-3.5527	18.0983	5.0951	8.1539
271	.950	.900	2.8298	-2.3397	4.9646	326	1.150	.552	-2.601	20.0362	4.0076	7.3768
272	.950	.950	2.4047	-6.060	7.4579	327	1.150	.601	-1.453	20.3324	3.0823	7.2458
273	.950	1.000	3.2052	.7337	4.2885	328	1.150	.652	-1.5607	22.8396	2.3555	5.0328
274	.950	1.051	2.8072	2.8072	7.5235	329	1.150	.702	-2.1348	22.1723	2.2476	4.4601
275	.950	1.101	5.0813	5.7597	6.3920	330	1.150	.752	-1.7968	23.6978	2.4231	5.4205

TEST NUMBER 81071515 RUN NUMBER 8 X/D = 2.60

NO.	Y	Z	V	M	VS	NO.	Y	Z	V	M	VS	VS	VS
331	1.150	.001	-3.2221	25.0838	2.1237	386	-.900	1.650	11.9177	23.0045	4.5365	3.1232	3.1232
332	1.150	.052	-3.6613	25.2160	2.0250	387	-.900	1.802	14.0060	20.2254	1.4406	1.1557	1.1557
333	1.150	.092	-4.0144	25.0710	1.7827	388	-.900	1.952	12.4373	17.5514	1.0501	.7257	.7257
334	1.150	.052	-4.9610	24.8126	1.6312	389	-.900	2.101	10.5644	16.0076	1.1467	.6350	.6350
335	1.150	1.001	-4.5115	24.2983	2.1714	390	-.900	2.251	8.8861	15.0400	.7729	.5133	.5133
336	1.150	1.052	-4.0213	24.5643	1.7723	391	-.900	2.402	7.3617	14.6645	.8080	.5341	.5341
337	1.150	1.102	-5.1280	23.9338	1.7493	392	-.750	1.200	-13.4732	13.7295	4.3353	2.7117	2.7117
338	1.150	1.151	-5.0772	24.0073	1.4852	393	-.750	1.350	-4.5316	20.5340	4.7633	4.3724	4.3724
339	1.150	1.201	-5.0315	23.7054	1.4822	394	-.750	1.502	7.8767	23.8016	4.2755	4.4824	4.4824
340	1.200	.002	3.8592	26.6135	.7155	395	-.750	1.652	15.6660	19.7442	4.1975	4.2165	4.2165
341	1.200	.051	3.3624	26.6730	.8566	396	-.750	1.800	17.2258	17.1812	2.6264	2.0229	2.0229
342	1.200	.100	2.7516	26.6967	.7035	397	-.750	1.950	14.6005	14.9027	1.5808	1.1609	1.1609
343	1.200	.152	2.4950	26.5864	.6471	398	-.750	2.101	11.7547	13.7530	.8883	.6367	.6367
344	1.200	.202	1.8050	26.6448	.7265	399	-.750	2.250	9.1627	13.2249	.6328	.3700	.3700
345	1.200	.251	1.3510	26.6431	.9521	400	-.750	2.400	7.4424	13.2899	.6385	.6259	.6259
346	1.200	.300	1.0231	26.4173	.7780	401	-.600	1.200	-20.0876	5.9001	3.0863	3.0467	3.0467
347	1.200	.352	.8131	26.7459	.9850	402	-.600	1.353	-14.2666	11.4675	5.1332	3.7859	3.7859
348	1.200	.402	.2464	26.3947	.8212	403	-.600	1.502	12.3989	15.0086	4.7807	5.5891	5.5891
349	1.200	.452	-.3073	26.4341	.8228	404	-.600	1.653	18.6096	13.1399	5.7078	3.8466	3.8466
350	1.200	.500	-.6295	26.3977	.8246	405	-.600	1.800	18.1626	11.6178	3.8846	3.3081	3.3081
351	1.200	.552	-1.0652	26.2193	1.0233	406	-.600	1.952	15.7802	10.6167	1.5533	1.2187	1.2187
352	1.200	.602	-1.2690	26.1899	1.1567	407	-.600	2.102	11.7353	10.7737	1.0397	.8397	.8397
353	1.200	.652	-1.6419	26.0385	1.1743	408	-.600	2.252	8.9200	11.2967	.6820	.5132	.5132
354	1.200	.700	-2.0979	26.0670	1.2444	409	-.600	2.402	6.9248	11.6150	.6679	.5951	.5951
355	1.200	.751	-2.6565	26.0848	1.3824	410	-.450	1.201	-19.1585	-2.0456	3.7611	3.1383	3.1383
356	1.200	.801	-2.7927	26.0358	1.1606	411	-.450	1.351	-11.2276	-5.1059	4.2531	4.2298	4.2298
357	1.200	.850	-3.5519	25.7389	1.3856	412	-.450	1.502	7.9903	-4.0613	6.6160	3.6637	3.6637
358	1.200	.900	-3.8518	25.2303	1.4163	413	-.450	1.652	14.4924	1.8585	4.9487	3.2384	3.2384
359	1.200	.951	-4.2769	24.8329	1.2216	414	-.450	1.802	17.2585	3.6303	3.5998	2.4571	2.4571
360	1.200	1.002	-4.6758	24.7446	1.2769	415	-.450	1.951	14.0814	5.4717	1.7883	1.2081	1.2081
361	1.200	1.051	-4.6329	24.4012	1.2375	416	-.450	2.102	10.2201	7.6748	.7142	.6826	.6826
362	1.200	1.100	-4.7049	24.1367	1.3215	417	-.450	2.252	7.7975	9.1150	.5902	.5502	.5502
363	1.200	1.151	-5.1329	23.6313	.9094	418	-.450	2.402	5.9336	10.2539	.7061	.6830	.6830
364	1.200	1.202	-5.3251	23.9549	1.1948	419	-.300	1.202	-13.4620	-4.3324	4.1184	1.7344	1.7344
365	1.200	1.202	4.9626	23.7639	1.0277	420	-.300	1.351	-8.4182	-10.6100	3.0247	3.3189	3.3189
366	1.200	1.351	5.6611	23.6429	1.0886	421	-.300	1.502	3.0160	-10.6331	5.5980	2.8524	2.8524
367	1.200	1.500	7.0036	23.2254	1.2245	422	-.300	1.652	10.3697	-6.8874	4.0755	2.0864	2.0864
368	1.200	1.651	7.9753	22.0881	.9558	423	-.300	1.802	11.5202	-2.5181	2.4508	1.4892	1.4892
369	1.200	1.802	8.6539	20.5268	1.0563	424	-.300	1.951	9.7617	2.1881	1.1488	.9660	.9660
370	1.200	1.951	8.4844	19.3147	.8598	425	-.300	2.102	7.6101	5.1229	.7922	.8753	.8753
371	1.200	2.100	7.9027	18.2303	.8068	426	-.300	2.252	5.8025	7.4522	.6253	.6804	.6804
372	1.200	2.251	7.0033	17.0548	.7337	427	-.300	2.402	4.5888	9.0957	.7036	.5658	.5658
373	1.200	2.402	6.4635	16.4574	.5673	428	-.150	1.203	-6.1153	-1.4579	4.7180	1.0673	1.0673
374	1.050	1.202	4.4190	23.2987	3.6195	429	-.150	1.353	-3.32297	-8.4641	2.7192	1.3678	1.3678
375	1.050	1.350	6.2008	24.7464	2.1793	430	-.150	1.502	-4.2866	-10.3918	1.7066	1.2802	1.2802
376	1.050	1.500	8.1113	24.2268	3.5692	431	-.150	1.651	4.2856	-7.9022	1.5885	1.0337	1.0337
377	1.050	1.652	10.2128	22.9823	.9971	432	-.150	1.802	5.4493	-3.4506	1.0754	.8563	.8563
378	1.050	1.802	10.7275	20.7685	1.1303	433	-.150	1.953	4.9434	.5422	.9110	.7688	.7688
379	1.050	1.950	10.1802	18.7007	.9452	434	-.150	2.102	4.1197	3.8774	.7663	.6349	.6349
380	1.050	2.101	9.0489	17.1746	.9229	435	-.150	2.251	3.2409	6.3080	.6270	.6459	.6459
381	1.050	2.252	8.0718	16.2466	.8394	436	-.150	2.402	2.6007	8.2043	.5885	.6256	.6256
382	1.050	2.402	6.8833	15.7139	.7930	437	0.000	1.202	.9265	.6013	.49977	1.0994	1.0994
383	1.050	2.552	1.1418	14.1264	7.2303	438	0.000	1.352	.0569	-6.2050	2.2177	.8300	.8300
384	1.050	2.702	1.8556	20.5460	6.1204	439	0.000	1.502	.1523	-8.2669	1.0602	.7486	.7486
385	1.050	2.852	7.6478	23.4017	5.4530	440	0.000	1.652	.5689	-6.5194	1.4324	.8580	.8580

TEST NUMBER 81071515 RUN NUMBER 8 X/D = 2.60

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
441	0.000	1.801	.4617	-3.4640	.8723	.8493	480	.600	2.251	-0.0132	10.4307	.6220	.6615
442	0.000	1.952	.6880	.3052	.7830	.6873	481	.600	2.401	-0.2345	11.1835	.4934	.5657
443	0.000	2.102	.7259	3.3937	.6846	.7710	482	.750	1.350	15.7120	10.6801	3.0035	2.2975
444	0.000	2.252	.5241	5.9098	.5326	.6032	483	.750	1.350	8.3046	19.6175	3.7714	3.6542
445	0.000	2.401	.5791	7.9232	.5306	.6393	484	.750	1.499	-8.3673	22.3928	4.3624	4.6958
446	.150	1.201	6.4437	-1.9908	1.3668	.9313	485	.750	1.801	-13.9622	19.0398	4.1453	4.7305
447	.150	1.352	4.3758	-7.5145	2.9932	.9315	486	.750	1.801	-16.9439	16.2285	3.0863	1.9134
448	.150	1.502	-.0680	-9.5944	1.5343	1.3062	487	.750	1.801	-14.2243	13.8036	.9029	.9132
449	.150	1.652	-3.3332	-7.2560	1.1127	1.2434	488	.750	2.099	-10.8357	12.6336	.8197	.8033
450	.150	1.800	-4.2828	-3.4183	1.9049	.9880	489	.750	2.250	-8.5093	12.6616	.6389	.6942
451	.150	1.952	-3.6922	.5870	1.1003	.7937	490	.750	2.401	-8.8400	12.6018	.6003	.6206
452	.150	2.102	-2.7800	3.5494	.7917	.6451	491	.900	1.201	7.4960	11.9685	3.9665	4.7750
453	.150	2.252	-2.0602	6.1731	.5986	.5260	492	.900	1.349	.5917	19.2348	4.8175	5.1200
454	.150	2.401	-1.5663	8.0377	.5511	.5491	493	.900	1.500	-6.1017	21.0677	4.9933	5.8156
455	.300	1.201	14.2540	-4.6579	1.5406	1.0469	494	.900	1.551	-12.6633	22.2349	2.9885	3.4614
456	.300	1.352	9.2845	-9.9742	2.8034	2.1290	495	.900	1.800	-14.0084	19.0165	1.4622	1.2819
457	.300	1.502	-1.1695	-10.6540	3.6889	4.0088	496	.900	1.950	-12.2380	16.4413	.8727	1.0232
458	.300	1.648	-7.7601	-7.1613	3.9963	3.6262	497	.900	2.100	-10.0813	14.9599	.6802	.6128
459	.300	1.800	-9.6700	-2.7408	2.7108	1.7453	498	.900	2.251	-8.2637	14.2663	.5447	.6229
460	.300	1.951	-8.2106	1.7744	.8681	.9776	499	.900	2.400	-6.7543	14.0717	.5318	.6447
461	.300	2.100	-6.1531	4.7658	.8067	.8949	500	1.050	1.200	-3.0232	20.5287	2.7919	7.2786
462	.300	2.249	-4.6996	7.0197	.8049	.6342	501	1.050	1.348	-8.8617	23.2444	3.2031	4.5826
463	.300	2.400	-3.5454	8.6829	.6193	.5834	502	1.050	1.500	-6.3871	24.3136	1.7495	1.7714
464	.450	1.200	20.0718	-3.3993	2.7511	1.7513	503	1.050	1.550	-10.3345	22.3328	1.3078	1.4066
465	.450	1.351	12.7140	-5.8931	4.9555	3.4953	504	1.050	1.800	-10.7680	19.6182	.7578	.9775
466	.450	1.501	-4.7652	-5.8929	4.8414	6.4562	505	1.050	1.949	-10.1887	18.0377	.7435	.7230
467	.450	1.650	-13.6530	-.8711	3.2191	5.2061	506	1.050	2.100	-8.8795	16.6422	.6281	.6551
468	.450	1.800	-15.4536	2.0219	2.6879	3.2078	507	1.050	2.250	-7.5245	15.6107	.5469	.5981
469	.450	1.951	-12.4763	4.8825	1.3631	1.2161	508	1.050	2.400	-6.5307	15.1939	.4591	.6764
470	.450	2.101	-9.0247	6.8687	.7140	.9753	509	1.200	1.200	-5.0727	23.7551	.9810	1.1450
471	.450	2.250	-6.7186	8.5088	.6500	.7226	510	1.200	1.349	-5.9755	23.6040	1.0527	1.0437
472	.450	2.400	-5.1135	9.6722	.6253	.5186	511	1.200	1.500	-7.2335	22.8621	.8876	.9777
473	.600	1.201	22.1250	4.2241	2.7741	2.2902	512	1.200	1.650	-8.2771	21.8199	.8685	.8453
474	.600	1.350	16.6508	8.9876	4.3831	5.1939	513	1.200	1.800	-8.5616	20.0975	.7770	.6977
475	.600	1.500	-11.2312	11.2026	6.4299	5.9729	514	1.200	1.949	-8.2543	18.6619	.6931	.7775
476	.600	1.650	-15.6385	10.0825	4.8289	6.9385	515	1.200	2.100	-7.6750	17.4869	.6992	.6594
477	.600	1.800	-17.7161	9.6217	3.1870	3.3799	516	1.200	2.250	-6.7100	16.6374	.5145	.6693
478	.600	1.950	-14.5466	9.4685	1.9585	1.2394	517	1.200	2.400	-6.0204	16.1574	.6213	.5749
479	.600	2.100	-10.7101	9.7215	.8462	.8318							



TEST NUMBER 81071601 RUN NUMBER 9 X/D = 5.70

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
1	-1.250	0.000	-5.9087	20.1720	1.0962	1.2040	56	-1.150	.251	-1.4608	-1.7549	2.5383	1.8785
2	-1.250	.052	-3.9413	16.9640	3.7582	6.3265	57	-1.150	.302	-1.8522	-1.5440	2.2500	1.5603
3	-1.250	.101	-2.3894	8.6855	4.9885	6.6679	58	-1.150	.352	-1.9923	-1.3485	2.1163	1.5005
4	-1.250	.150	-1.5630	4.4952	4.2379	4.3999	59	-1.150	.401	-1.8107	-1.0107	2.5174	2.0058
5	-1.250	.201	-1.0678	2.9755	3.6665	3.1015	60	-1.150	.451	-1.7510	-2.0891	2.3662	3.1169
6	-1.250	.252	-.8581	2.4980	4.0872	2.8855	61	-1.150	.502	-1.1848	-2.3669	3.0308	3.0668
7	-1.250	.301	-1.4963	2.0088	3.8861	2.4530	62	-1.150	.552	-2.2378	-2.7805	3.3781	3.3781
8	-1.250	.350	-1.2700	2.1745	3.7744	2.2027	63	-1.150	.601	-4.556	-2.9016	3.6660	3.3607
9	-1.250	.401	-1.8199	2.3143	4.1163	2.6967	64	-1.150	.651	-1.3359	-2.6988	4.0394	3.8019
10	-1.250	.452	-2.1214	2.5935	5.4407	3.2071	65	-1.150	.702	-1.1519	-2.6762	4.8766	3.8270
11	-1.250	.501	-.8200	2.6965	5.1061	4.2138	66	-1.150	.752	-.5281	-2.2517	5.1429	3.6792
12	-1.250	.550	-.8279	1.8442	4.7614	4.3166	67	-1.150	.801	-.0437	-1.5476	5.4304	4.0562
13	-1.250	.601	.7490	1.0151	4.4938	4.9300	68	-1.150	.851	-1.4242	-.4859	5.0895	3.5612
14	-1.250	.652	.7558	1.5506	4.7719	4.1229	69	-1.150	.902	-3.4721	.2619	5.1965	4.2613
15	-1.250	.701	.9409	1.7588	5.3589	4.1959	70	-1.150	.952	-5.2624	1.1602	5.0810	3.9885
16	-1.250	.750	.8732	.8535	5.5965	4.0667	71	-1.150	1.001	-5.9862	2.6352	4.4066	3.8695
17	-1.250	.801	1.2167	1.9457	6.0945	3.6897	72	-1.150	1.051	-7.3889	3.6533	4.5030	3.0647
18	-1.250	.852	.7330	2.0532	5.7282	3.7021	73	-1.150	1.101	-0.3482	4.6222	4.7682	2.9187
19	-1.250	.901	-1.4144	1.9600	5.4742	3.2416	74	-1.150	1.152	-8.6029	5.1253	4.7701	3.3433
20	-1.250	.950	-1.8827	3.7991	5.9304	3.2363	75	-1.150	1.201	-9.5334	5.7384	4.9362	2.9004
21	-1.250	1.001	-2.2925	4.6758	6.1234	3.4212	76	-1.150	1.250	-9.8406	7.2624	4.5608	3.1687
22	-1.250	1.052	-6.0928	3.8235	4.7015	3.2382	77	-1.100	.350	-.6290	-1.0478	2.8846	1.4874
23	-1.250	1.101	-5.6639	5.6449	4.282	3.0112	78	-1.100	.401	-1.7073	-2.0753	2.2366	1.5566
24	-1.250	1.150	-5.9434	6.9662	5.3443	2.1427	79	-1.100	.452	-1.5296	-2.2683	2.0644	2.8550
25	-1.250	1.201	-6.0882	8.1861	5.9854	3.3994	80	-1.100	.502	-.1665	-2.1966	2.2155	2.5961
26	-1.250	1.251	-8.0235	8.8654	4.8457	3.3841	81	-1.100	.550	.1439	-2.7176	2.4639	3.1534
27	-1.199	.001	-.0919	1.1583	1.4815	2.1221	82	-1.100	.601	.9333	-2.7388	3.2129	3.1113
28	-1.199	.052	.1315	.1927	1.7982	1.8411	83	-1.100	.652	2.1927	-2.6408	3.4885	3.5793
29	-1.199	.102	.3373	-.5455	1.8824	1.8351	84	-1.100	.702	1.4661	-3.3889	4.1126	3.6793
30	-1.199	.151	.1212	-.5643	2.1034	1.8508	85	-1.100	.750	-.2825	-1.6273	4.2540	3.8291
31	-1.199	.200	-.4668	-.5448	2.9014	1.5179	86	-1.100	.801	-1.2303	-1.8283	5.0786	4.2017
32	-1.199	.252	-1.3796	-.7519	2.1920	1.6753	87	-1.100	.852	-2.7834	-.7524	4.7322	4.5683
33	-1.199	.302	-1.8178	-.6832	2.7781	1.7979	88	-1.100	.902	-4.6650	-0.428	4.7047	3.1646
34	-1.199	.351	-1.8562	-.6811	2.5244	2.0829	89	-1.100	.950	-6.1914	1.3157	4.8044	4.1157
35	-1.199	.401	-1.5358	-.6937	2.9404	2.2356	90	-1.100	1.001	-6.9843	2.4226	4.2816	3.8340
36	-1.199	.452	-1.8565	-1.0363	2.7679	3.2461	91	-1.100	1.052	-7.6845	3.4306	4.9555	2.8887
37	-1.199	.502	-1.1366	-.9679	2.8803	3.4847	92	-1.100	1.101	-8.1055	4.6488	5.3768	3.2697
38	-1.199	.551	-.0000	-1.0892	3.8895	4.0979	93	-1.100	1.150	-9.5543	4.3548	4.2243	2.9619
39	-1.199	.601	.6034	-1.3485	3.8422	3.7265	94	-1.100	1.201	-10.6129	5.2392	4.6839	2.9325
40	-1.199	.652	1.2298	-2.3858	4.2734	3.9291	95	-1.100	1.252	-10.8114	6.2722	5.3478	3.5817
41	-1.199	.703	.9198	-1.6869	5.0697	3.7396	96	-1.050	.501	-.3756	-1.4424	2.2875	2.8897
42	-1.199	.751	.3580	-1.9771	5.6784	3.7710	97	-1.050	.552	.2951	-1.7301	2.5218	2.6771
43	-1.199	.801	.3807	-.3768	5.6579	3.6019	98	-1.050	.601	1.1081	-.7888	2.9066	3.1273
44	-1.199	.852	-1.0300	.2808	5.8190	3.8170	99	-1.050	.650	1.9238	-1.0305	2.7161	3.3203
45	-1.199	.902	-2.0830	.8969	5.1892	3.9135	100	-1.050	.701	1.4062	-1.4427	3.4572	3.5865
46	-1.199	.951	-4.3160	1.6069	4.5936	3.2717	101	-1.050	.751	.7964	-.7499	4.0087	3.9968
47	-1.199	1.000	-.47403	2.5343	5.0676	3.8769	102	-1.050	.801	-1.1711	-.4158	5.1301	3.7110
48	-1.199	1.052	-6.9205	4.7755	5.3173	3.4641	103	-1.050	.850	-3.7588	.1096	4.0897	3.7243
49	-1.199	1.102	-6.9482	4.9094	4.6454	3.2956	104	-1.050	.901	-4.9431	.4450	4.7345	3.6832
50	-1.199	1.151	-7.5186	6.1872	4.8660	2.9847	105	-1.050	.951	-7.3660	1.8511	4.2188	3.4230
51	-1.199	1.200	-8.4868	6.4167	4.1215	2.9334	106	-1.050	1.001	-7.6279	2.6358	5.0063	3.8534
52	-1.199	1.251	-8.0943	7.4457	5.3769	3.4399	107	-1.050	1.050	-8.2865	2.7428	4.4353	3.3825
53	-1.158	.102	.3627	.3345	1.5991	1.4362	108	-1.050	1.101	-9.9888	3.6857	3.5824	2.7979
54	-1.158	.152	.1704	.5201	1.5366	1.6194	109	-1.050	1.151	-10.4455	3.8869	4.5170	3.5564
55	-1.158	.201	-.1646	-.6291	2.4965	1.6490	110	-1.050	1.201	-10.6847	4.0342	4.9493	3.2078

TEST NUMBER 81071601 RUN NUMBER 9 X/D = 5.70

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	VS	MS
111	-1.050	1.250	-10.8733	5.3256	5.1138	3.2414	166	-800	1.201	-12.0960	-6.306	3.8693	3.8693	3.8693
112	-1.000	.601	1.4437	.6284	2.1164	2.4465	167	-800	1.250	-11.3115	-1.298	5.1476	5.1476	5.1476
113	-1.000	.652	1.5513	.6315	2.3408	2.6927	168	-750	.901	-5.0020	-3.592	2.4856	2.4856	2.4856
114	-1.000	.701	1.2090	.7486	2.6549	2.4743	169	-750	.951	-8.4447	-1.034	4.0172	4.0172	4.0172
115	-1.000	.750	-0.0053	.3605	3.7716	3.8894	170	-750	1.000	-9.2951	-7.366	3.6319	3.6319	3.6319
116	-1.000	.801	-2.0611	.7866	4.6840	3.5060	171	-750	1.050	-10.5916	-1.553	3.5401	3.5401	3.5401
117	-1.000	.852	-4.7119	-1.319	5.2100	3.5464	172	-750	1.101	-9.8892	-7.175	3.7373	3.7373	3.7373
118	-1.000	.901	-6.5736	.7833	4.8453	3.2556	173	-750	1.151	-11.1686	-2.849	4.3585	4.3585	4.3585
119	-1.000	.950	-7.7715	1.4026	4.2599	2.8853	174	-750	1.200	-11.6934	-1.098	4.0510	4.0510	4.0510
120	-1.000	1.001	-9.2719	2.0838	4.4310	2.8191	175	-750	1.250	-11.3047	-1.4412	4.0884	4.0884	4.0884
121	-1.000	1.052	-9.8001	2.3056	4.3387	2.6498	176	-700	.950	-9.7823	-9.080	5.1241	5.1241	5.1241
122	-1.000	1.101	-9.9241	3.4863	4.2771	2.8225	177	-700	1.001	-9.6706	-7.764	4.6989	4.6989	4.6989
123	-1.000	1.150	-10.8308	2.9635	4.5140	3.2453	178	-700	1.051	-10.5598	-1.0675	3.5661	3.5661	3.5661
124	-1.000	1.201	-11.5133	2.9764	4.8755	3.3161	179	-700	1.100	-10.6000	-1.6247	3.7215	3.7215	3.7215
125	-1.000	1.251	-11.8371	3.9467	5.0894	2.9990	180	-700	1.150	-10.8244	-2.1441	3.8174	3.8174	3.8174
126	-0.950	.701	1.8759	2.4902	3.0013	2.3898	181	-700	1.201	-10.3246	-2.8434	3.7448	3.7448	3.7448
127	-0.950	.751	.0951	1.9917	3.9663	3.0878	182	-700	1.251	-11.5844	-3.0377	3.9034	3.9034	3.9034
128	-0.950	.801	-2.1609	1.1599	4.5317	2.9371	183	-650	1.301	-9.3000	-2.1193	3.3159	3.3159	3.3159
129	-0.950	.850	-3.6987	.9794	5.2437	3.3130	184	-650	1.350	-9.6501	-2.2243	3.1755	3.1755	3.1755
130	-0.950	.901	-6.6208	1.1502	4.7551	2.9656	185	-650	1.400	-10.0081	-2.2022	3.9286	3.9286	3.9286
131	-0.950	.951	-8.2359	1.6769	5.1489	2.9098	186	-650	1.450	-10.1570	-3.3053	3.9895	3.9895	3.9895
132	-0.950	1.001	-9.5081	1.1494	3.4728	3.0117	187	-650	1.501	-10.4611	-3.3272	3.7174	3.7174	3.7174
133	-0.950	1.050	-10.1362	1.2511	4.1724	3.0358	188	-650	1.550	-10.7951	-4.4167	3.7971	3.7971	3.7971
134	-0.950	1.101	-9.9234	2.3624	4.1530	3.5204	189	-600	1.600	-9.5753	-1.5235	4.1773	4.1773	4.1773
135	-0.950	1.151	-10.5726	3.2078	4.0953	3.1946	190	-600	1.651	-10.1988	-2.3027	3.1523	3.1523	3.1523
136	-0.950	1.201	-11.5816	2.2611	4.8197	3.9907	191	-600	1.701	-9.7131	-3.5665	2.8152	2.8152	2.8152
137	-0.950	1.250	-12.0307	2.6591	5.0013	3.7502	192	-600	1.751	-10.3121	-2.6149	3.2995	3.2995	3.2995
138	-0.900	.752	.5362	3.1033	3.3474	1.9419	193	-600	1.801	-10.3318	-3.2413	3.6803	3.6803	3.6803
139	-0.900	.801	-1.3690	1.8655	4.9511	2.5777	194	-600	1.851	-10.4441	-2.2551	3.7168	3.7168	3.7168
140	-0.900	.850	-4.5573	1.1166	4.6130	2.7144	195	-550	1.900	-9.7129	-2.0192	3.2312	3.2312	3.2312
141	-0.900	.901	-6.3348	1.4873	4.9427	2.5505	196	-550	1.950	-8.7262	-3.3869	3.7445	3.7445	3.7445
142	-0.900	.951	-9.3227	1.4458	4.3611	2.3162	197	-550	2.000	-8.1986	-3.7088	3.3787	3.3787	3.3787
143	-0.900	1.001	-9.9917	.7973	3.5543	2.5001	198	-550	2.050	-9.1966	-4.4599	3.5785	3.5785	3.5785
144	-0.900	1.050	-9.5812	1.0017	3.9884	3.1316	199	-550	2.100	-8.2162	-5.1172	3.8038	3.8038	3.8038
145	-0.900	1.101	-10.4619	1.2932	4.2612	3.0132	200	-500	1.250	-9.2162	-4.219	3.5250	3.5250	3.5250
146	-0.900	1.151	-11.6255	2.3869	4.3683	3.4316	201	-500	1.301	-8.3039	-4.1096	3.6442	3.6442	3.6442
147	-0.900	1.201	-11.2943	1.3029	4.5762	3.5188	202	-500	1.351	-8.3162	-3.7570	3.3271	3.3271	3.3271
148	-0.900	1.250	-12.1850	1.4770	4.9671	3.4233	203	-500	1.401	-7.8129	-3.5308	3.6081	3.6081	3.6081
149	-0.850	.801	.0239	2.8321	4.9671	2.1130	204	-450	1.451	-8.4969	-6.1910	3.6442	3.6442	3.6442
150	-0.850	.851	-3.5695	1.1803	5.4576	2.7223	205	-450	1.501	-8.3039	-4.1096	3.6455	3.6455	3.6455
151	-0.850	.901	-6.0877	.9783	5.6161	2.6064	206	-450	1.551	-8.3162	-3.7570	3.3271	3.3271	3.3271
152	-0.850	.950	-8.3650	1.0372	4.6742	2.5163	207	-450	1.601	-7.0774	-5.1994	3.6081	3.6081	3.6081
153	-0.850	1.001	-9.8228	1.3470	5.0386	2.7873	208	-450	1.651	-7.5126	-5.0933	3.1620	3.1620	3.1620
154	-0.850	1.051	-10.4382	.5715	4.4356	2.9742	209	-400	1.701	-6.7035	-8.057	4.1726	4.1726	4.1726
155	-0.850	1.101	-10.7492	1.0684	4.0923	3.0661	210	-400	1.751	-7.8129	-4.5308	5.7084	5.7084	5.7084
156	-0.850	1.150	-11.7218	-1.3027	3.9571	3.3300	211	-400	1.801	-5.9108	-4.1568	3.0072	3.0072	3.0072
157	-0.850	1.201	-11.5914	.9100	4.6223	3.5378	212	-400	1.851	-6.2260	-5.9748	4.1896	4.1896	4.1896
158	-0.850	1.251	-11.1663	-1.288	3.9204	4.1105	213	-350	1.901	-5.6771	-2.1650	3.8612	3.8612	3.8612
159	-0.800	.850	-1.8496	1.6211	5.2922	2.1395	214	-350	1.951	-6.7360	-4.3677	4.0108	4.0108	4.0108
160	-0.800	.901	-7.3396	-1.025	5.3622	2.1441	215	-350	2.001	-6.1002	-6.1002	3.7762	3.7762	3.7762
161	-0.800	.951	-9.0571	-1.3570	4.3220	2.5281	216	-300	2.051	-3.2711	-2.4099	4.7494	4.7494	4.7494
162	-0.800	1.001	-9.8916	-1.095	3.4667	2.5445	217	-300	2.101	-3.6330	-3.7915	3.9541	3.9541	3.9541
163	-0.800	1.050	-10.6513	.1998	4.0971	2.7782	218	-300	2.150	-3.0288	-5.7410	3.7546	3.7546	3.7546
164	-0.800	1.101	-11.2724	.1140	4.3013	3.1943	219	-250	2.201	-1.5990	-5.006	4.9284	4.9284	4.9284
165	-0.800	1.151	-11.5079	-5.960	3.7105	3.4745	220	-250	2.250	-1.0315	-3.4549	4.9309	4.9309	4.9309

TEST NUMBER 81071601 RUN NUMBER 9 X/D = 5.70

NO.	Y	Z	V	W	VS	MS	NO.	Y	Z	V	W	VS	MS
331	.950	.700	1.2650	-1.1307	3.2925	2.7317	386	1.100	.851	-1.6269	.8092	5.2709	5.0163
332	.950	.750	-5.685	-1.3780	4.3664	2.7932	387	1.100	.900	-1.7038	2.5659	4.5676	5.5196
333	.950	.801	-6.254	-2.0076	4.6068	3.1194	388	1.100	.950	-1.7819	2.9404	4.5853	6.6806
334	.950	.851	-8.269	-2.5683	4.7646	.826	389	1.100	1.001	-1.8627	3.2956	4.6792	7.0767
335	.950	.900	-1.0987	-2.0043	5.4375	4.478	390	1.100	1.051	-1.2552	5.3105	4.6574	7.6336
336	.950	.949	2.2801	-1.5503	5.9031	5.1608	391	1.100	1.100	1.6544	5.9391	4.8166	7.3999
337	.950	1.001	3.5600	.5244	6.7636	5.7027	392	1.100	1.150	1.2087	8.0360	4.5638	7.6684
338	.950	1.051	5.2910	1.7591	6.6522	5.8604	393	1.100	1.201	3.3017	9.3405	4.2979	7.5028
339	.950	1.100	7.1067	3.5706	6.6324	5.4101	394	1.100	1.251	3.5656	10.2409	5.1829	6.6507
340	.950	1.149	7.8615	5.1546	5.9377	5.6146	395	1.150	.001	1.3111	7.2549	6.7388	4.9991
341	.950	1.201	10.6532	7.5066	3.6393	4.887	396	1.150	.050	.3686	2.0679	2.0554	1.5208
342	.950	1.251	10.5378	9.1428	4.5230	4.8102	397	1.150	.101	.2431	1.1346	1.2803	1.1442
343	1.000	.551	3.0389	-1.3590	1.7216	2.4866	398	1.150	.151	.2036	1.1008	1.3864	1.3793
344	1.000	.601	2.9727	-.9813	2.1360	2.3823	399	1.150	.201	.4314	1.0827	1.4599	1.5037
345	1.000	.649	1.9678	-1.4689	3.1563	2.3783	400	1.150	.250	.3794	.6204	1.8137	1.7913
346	1.000	.699	1.4807	-.8564	3.1154	2.3869	401	1.150	.301	.7794	.5547	1.7503	2.0709
347	1.000	.751	1.0906	-2.2055	4.4330	4.2845	402	1.150	.351	1.4611	.8217	1.9682	2.0322
348	1.000	.801	-.1523	-2.7306	4.6081	3.9909	403	1.150	.401	2.1260	1.2349	1.9361	2.5778
349	1.000	.849	-3.450	-2.3269	4.7258	4.2761	404	1.150	.450	2.7437	1.4839	2.1415	2.8321
350	1.000	.899	-.6013	-2.2760	4.8193	4.0059	405	1.150	.501	3.1441	2.4650	2.3414	2.8472
351	1.000	.951	-.2924	-1.7726	6.0655	4.9626	406	1.150	.551	3.1075	2.5749	2.7012	3.7685
352	1.000	1.000	.8710	-.4033	5.3529	5.7346	407	1.150	.601	3.1441	4.4774	3.0344	3.5349
353	1.000	1.049	3.3563	1.7139	6.6779	6.2081	408	1.150	.650	3.2230	4.7554	2.9303	4.6601
354	1.000	1.099	5.4903	3.7655	6.2162	5.6029	409	1.150	.701	1.9501	4.6822	4.4804	4.5805
355	1.000	1.151	6.8063	4.9377	5.6848	5.0821	410	1.150	.751	1.0492	6.7988	4.8367	5.5344
356	1.000	1.201	7.2030	7.8216	5.7195	5.9679	411	1.150	.801	.2549	6.5673	5.3860	6.4214
357	1.000	1.250	9.2851	9.2640	4.8038	4.5672	412	1.150	.850	-1.8978	7.7970	5.602	7.0598
358	1.050	.451	2.1642	-.1047	1.8895	2.9596	413	1.150	.901	-2.7596	6.5596	4.8738	6.1601
359	1.050	.501	3.2185	-.0815	1.7855	2.9177	414	1.150	.951	-1.9880	7.2253	5.2753	7.6813
360	1.050	.552	2.9957	-.4981	2.7403	2.514	415	1.150	1.000	-2.5416	7.9929	4.5391	7.5052
361	1.050	.601	3.7754	-.8037	2.2932	2.8761	416	1.150	1.049	-.8499	9.3017	3.9714	7.6856
362	1.050	.650	2.9387	-.4968	3.4207	2.7514	417	1.150	1.100	-1.850	9.6657	3.5333	8.5911
363	1.050	.701	2.5506	-1.0467	4.1081	3.1751	418	1.150	1.151	-.3895	11.1239	3.4176	7.3620
364	1.050	.752	1.1428	-1.0456	4.0364	3.7476	419	1.150	1.200	2.1795	10.9540	3.9159	7.5852
365	1.050	.801	-.4617	-2.1776	3.6942	4.6618	420	1.150	1.249	2.9533	11.0639	4.4729	7.1010
366	1.050	.850	-1.2589	-1.5435	5.1441	4.8645	421	1.200	.002	5.1286	25.3482	.8924	1.2614
367	1.050	.901	-1.4188	-1.1670	5.1169	5.7791	422	1.200	.051	4.8337	25.0738	.7699	1.3534
368	1.050	.951	-.9581	-.0708	5.0746	6.2433	423	1.200	.099	4.3958	24.9010	1.2260	1.5892
369	1.050	1.001	.6190	1.3154	4.8835	6.6017	424	1.200	.151	3.6424	22.4095	5.5553	4.5263
370	1.050	1.050	2.3585	2.4057	6.1401	6.7754	425	1.200	.201	2.8278	20.4557	6.7923	5.5871
371	1.050	1.101	2.7703	4.5009	5.7220	7.4704	426	1.200	.250	2.2569	16.9140	7.5778	6.7020
372	1.050	1.151	5.1036	6.3400	5.4395	6.3075	427	1.200	.300	1.4365	11.9516	7.0305	6.8466
373	1.050	1.201	5.5135	7.4238	6.0019	6.2890	428	1.200	.351	1.5297	12.9864	6.2757	7.1620
374	1.050	1.250	6.7531	9.2636	5.8056	5.6419	429	1.200	.401	1.5506	11.3703	5.2449	6.9081
375	1.100	.301	.5963	1.0798	1.2490	2.3490	430	1.200	.450	2.5710	10.1093	4.8472	6.9618
376	1.100	.350	1.4483	1.0437	1.8659	2.2413	431	1.200	.499	2.3468	11.0362	4.4896	7.2995
377	1.100	.401	2.2701	-.2272	1.4904	2.5798	432	1.200	.551	1.9450	12.3441	3.8441	6.8660
378	1.100	.452	2.8364	-.0097	1.8664	2.5117	433	1.200	.601	2.3079	11.2412	4.1877	6.5782
379	1.100	.501	3.1122	-.6092	1.9858	2.6800	434	1.200	.650	1.4846	12.3327	4.5160	6.6840
380	1.100	.550	3.3732	-.4026	2.0846	2.7372	435	1.200	.701	1.8577	11.8161	4.2830	6.6756
381	1.100	.601	3.5548	1.0737	2.7652	3.2834	436	1.200	.751	1.4546	12.4913	4.9053	6.7066
382	1.100	.651	3.7186	1.0861	3.5394	3.0715	437	1.200	.801	-.1628	13.3344	5.0657	6.9170
383	1.100	.701	2.5526	-.6224	4.3558	3.8651	438	1.200	.850	-1.3460	12.7958	5.3760	7.2138
384	1.100	.750	1.1300	-.9470	4.4506	4.3945	439	1.200	.900	-2.2558	12.5046	5.0850	7.3280
385	1.100	.801	.0736	2.0008	4.7838	5.0843	440	1.200	.951	-1.3219	12.5676	4.6967	7.7843

TEST NUMBER 81071601 RUN NUMBER 9 X/D = 5.70

NO.	Y	Z	V	W	VS	WS	NO.	Y	Z	V	W	VS	WS
441	1.200	1.001	-2.6370	14.2247	4.6373	8.0557	496	-1.500	1.551	-5.4070	18.7698	6.2728	2.7974
442	1.200	1.050	-2.7808	14.8155	3.7943	6.8838	497	-1.500	1.252	-4.0666	23.8492	4.5551	4.0374
443	1.200	1.099	-4.494	12.1682	4.0752	7.6367	498	-1.500	2.301	4.6208	23.7152	4.2312	3.3494
444	1.200	1.150	-4.297	16.4304	3.1334	8.2056	499	-1.500	2.450	6.7288	22.8675	4.4646	3.9234
445	1.200	1.201	-9.864	13.3926	3.5262	7.8624	500	-1.500	2.601	7.7989	22.7099	3.6296	3.0416
446	1.200	1.249	1.7612	14.5950	3.2686	7.6709	501	-1.500	2.752	8.5592	21.1983	4.1094	3.2449
447	1.250	.001	5.1014	24.6779	.8225	1.1721	502	-1.500	2.901	9.8413	20.9211	3.0964	2.8303
448	1.250	.051	4.7177	24.7655	.6662	1.0871	503	-1.500	3.051	10.3044	19.8247	2.2423	2.3130
449	1.250	.100	4.5057	24.8472	.7973	1.3348	504	-1.500	3.201	10.5528	19.3474	1.8697	1.6174
450	1.250	.149	4.1330	25.0764	.7010	1.2890	505	-1.500	3.352	10.1756	18.5184	1.2240	1.3941
451	1.250	.201	3.8536	25.1684	.7816	1.1233	506	-1.500	3.502	9.6492	17.6881	1.2861	1.0072
452	1.250	.251	3.3589	25.4273	.7669	1.3605	507	-1.500	3.651	8.7237	16.9913	1.0535	.7920
453	1.250	.300	3.3722	24.8130	1.4209	1.6803	508	-1.500	3.801	7.9691	16.4955	1.3138	.6947
454	1.250	.349	3.2836	24.9770	1.3893	2.4129	509	-1.500	3.952	7.1694	16.0510	.9459	.7352
455	1.250	.401	2.7635	23.2472	2.8619	3.7740	510	-1.500	4.101	6.4285	15.7993	.9281	.7027
456	1.250	.451	2.4509	21.7241	3.8372	5.6473	511	-1.500	4.251	5.9630	15.6216	.9486	.6464
457	1.250	.500	2.7763	21.5156	3.1144	6.0994	512	-1.350	1.251	-5.7496	10.8770	6.4489	3.3508
458	1.250	.549	2.0969	21.5161	3.3845	5.7972	513	-1.350	1.401	-7.7281	13.3400	4.7731	2.6844
459	1.250	.641	1.6704	20.9343	3.5581	5.4435	514	-1.350	1.552	-7.9485	15.3258	5.2534	3.1317
460	1.250	.651	1.6419	19.9462	3.5903	6.2292	515	-1.349	1.701	-7.5209	18.3002	6.5421	4.0685
461	1.250	.700	1.5618	19.1558	4.1010	7.1864	516	-1.349	1.850	-6.4612	19.7848	6.5932	3.5312
462	1.250	.749	-1.1338	21.0177	3.7503	5.5480	517	-1.349	2.001	-2.9991	22.7740	4.6396	3.8269
463	1.250	.801	-1.014	20.6768	4.0012	6.0163	518	-1.349	2.152	.4425	23.0504	5.1002	3.4444
464	1.250	.851	-8.338	20.2635	4.6438	6.0163	519	-1.349	2.301	4.1121	22.5282	5.0753	4.1418
465	1.250	.900	-2.5891	19.4316	4.4002	5.3809	520	-1.349	2.450	7.2761	21.7439	3.9878	3.7393
466	1.250	.949	-2.7373	19.5546	5.1034	5.9579	521	-1.349	2.601	7.9545	19.2497	3.6699	3.6699
467	1.250	1.000	-1.6329	17.3076	4.5337	7.3840	522	-1.349	2.752	9.6224	19.1972	3.7240	3.2747
468	1.250	1.051	-3.1341	18.7139	4.2049	5.6340	523	-1.349	2.902	10.1885	18.7516	4.2959	2.9410
469	1.250	1.099	-1.3605	18.3369	3.2196	6.4373	524	-1.349	3.051	10.2787	17.7786	3.8903	2.9220
470	1.250	1.149	-7.737	16.6025	2.8456	7.9163	525	-1.349	3.201	11.3763	17.2551	2.4266	2.3475
471	1.250	1.200	.5403	17.9864	3.2940	7.5334	526	-1.349	3.352	11.0978	17.7897	1.5021	1.7296
472	1.250	1.251	1.1101	17.5157	2.1105	7.3521	527	-1.349	3.501	10.4192	16.6166	1.4133	1.2898
473	1.250	1.251	-5.1755	19.8267	4.1339	1.0000	528	-1.349	3.651	9.5226	16.1497	1.2407	.9290
474	1.250	1.401	-5.1972	20.5331	4.8371	3.0000	529	-1.349	3.801	8.4643	15.6335	1.2767	.8123
475	1.250	1.549	-5.1660	20.2001	5.4335	5.0000	530	-1.349	3.952	7.5878	15.3749	1.0710	.7657
476	1.250	1.700	-5.2235	21.9615	5.8763	3.1518	531	-1.349	4.101	6.7502	15.0789	.9673	.6427
477	1.250	1.851	-2.2869	22.7394	4.8613	3.4683	532	-1.349	4.251	6.0347	15.0663	.9287	.7143
478	1.250	2.001	1.4573	23.9450	4.1555	3.0529	533	-1.199	1.252	-9.5603	8.2854	4.7417	3.1658
479	1.250	2.150	1.0969	24.7561	4.8340	3.3900	534	-1.199	1.401	-10.1388	10.5260	6.5545	3.2743
480	1.250	2.301	2.4454	24.2453	4.9800	3.5786	535	-1.199	1.551	-11.2065	12.4195	7.4793	3.5443
481	1.250	2.451	5.1572	24.3694	4.1849	3.0055	536	-1.199	1.700	-10.6523	14.0760	7.2809	3.8910
482	1.250	2.601	6.7565	24.0861	3.0138	2.5435	537	-1.199	1.851	-7.7024	16.9539	8.3119	3.8910
483	1.250	2.750	8.5531	22.4603	2.6373	2.1529	538	-1.199	2.002	-4.7370	18.5353	8.0869	5.1338
484	1.250	2.901	9.0291	21.9124	1.7510	1.4710	539	-1.199	2.151	1.6805	21.5452	6.3089	4.6729
485	1.250	3.052	9.1327	21.3056	1.6267	1.6220	540	-1.199	2.301	6.7055	20.2778	4.9476	5.0466
486	1.250	3.201	9.3625	20.0031	1.2683	1.3372	541	-1.199	2.451	9.4632	18.6205	4.6263	3.7469
487	1.250	3.350	9.2180	19.4100	1.2819	1.0088	542	-1.199	2.602	9.8951	15.8627	4.3439	3.3814
488	1.250	3.501	8.5155	18.3895	1.2632	.7453	543	-1.199	2.751	10.4036	15.8451	4.0232	3.4864
489	1.250	3.652	8.0470	17.8342	1.0566	.6190	544	-1.199	2.901	10.4036	15.5848	4.8878	3.3560
490	1.250	3.801	7.2836	17.0404	1.2160	.7039	545	-1.199	3.051	11.1928	15.6574	4.5919	3.2329
491	1.250	3.950	6.6585	16.6892	1.0028	.6554	546	-1.199	3.201	11.5576	15.5246	3.5272	2.8633
492	1.250	4.101	6.1642	16.4307	.8456	.5671	547	-1.199	3.351	11.4060	15.2508	2.4823	2.0762
493	1.250	4.252	5.5947	16.2771	.8811	.5716	548	-1.199	3.501	10.8451	14.9570	1.7719	1.8780
494	1.250	1.251	-5.6374	15.9774	6.0971	3.1338	549	-1.199	3.651	10.3237	14.7769	1.4428	1.1446
495	1.250	1.401	-6.4509	15.7298	5.9621	2.8052	550	-1.199	3.801	8.7958	14.5851	.9352	.9352

TEST NUMBER 81071601 RUN NUMBER 9 X/D = 5.70

NO.	Y	Z	V	M	VS	MS	NO.	Y	Z	V	M	VS	MS
551	-1.199	3.951	7.7136	14.2831	.9552	.7959	606	-.749	2.749	7.0643	1.9072	7.4553	2.6146
552	-1.199	4.101	6.7085	14.2826	.8790	.7462	607	-.749	2.900	7.5572	3.1577	6.0622	3.1830
553	-1.199	4.251	6.2001	14.3764	.9153	.7842	608	-.749	3.051	7.9602	4.9871	4.9224	3.3408
554	-1.049	1.252	-11.2019	5.6929	5.4421	3.0353	609	-.749	3.200	8.8389	6.0167	3.7400	2.5570
555	-1.049	1.401	-12.2179	5.8356	6.4862	3.8543	610	-.749	3.349	9.7663	7.6093	3.0896	2.2802
556	-1.049	1.551	-12.8115	6.8547	7.6529	4.0339	611	-.749	3.500	9.2785	8.9337	3.1596	1.9472
557	-1.049	1.701	-12.0900	10.2869	8.2458	4.2780	612	-.749	3.651	8.8343	9.7448	2.1853	1.5361
558	-1.049	1.852	-10.0421	11.2083	10.5004	4.8433	613	-.749	3.801	7.8343	10.6823	1.1629	1.0799
559	-1.049	2.002	-6.2129	12.4437	11.2179	6.7932	614	-.749	3.949	6.5765	10.7994	1.4215	1.3902
560	-1.049	2.151	1.7592	13.5065	12.0433	6.9938	615	-.749	4.100	5.8366	11.4302	1.0236	.6940
561	-1.049	2.301	9.2241	12.7452	8.2478	5.7178	616	-.749	4.251	5.2049	11.9159	.9167	.9533
562	-1.049	2.451	10.2436	11.8006	7.3288	4.6437	617	-.600	1.252	-10.2521	-4.1785	4.9013	4.2377
563	-1.049	2.602	10.1976	11.8032	4.7506	3.6233	618	-.600	1.400	-10.8830	-7.0585	4.9946	4.6222
564	-1.049	2.751	9.3736	12.1049	5.8450	3.4946	619	-.600	1.551	-8.9976	-9.5262	5.0966	3.9816
565	-1.049	2.901	9.7810	11.9672	5.0378	3.3722	620	-.600	1.701	-9.1803	-11.0375	5.4106	4.7286
566	-1.049	3.051	10.6804	12.6335	5.1855	3.0791	621	-.600	1.851	-6.6849	-13.8866	5.7212	3.5996
567	-1.049	3.201	11.9711	13.1386	3.9202	2.9898	622	-.600	2.000	-4.7242	-15.7018	6.1819	4.8538
568	-1.049	3.351	12.1533	12.9805	2.6597	2.3649	623	-.600	2.151	.5797	-14.0453	7.2370	3.3537
569	-1.049	3.501	11.3196	13.4048	2.1472	1.8452	624	-.600	2.301	3.0073	-10.4790	8.8487	3.4577
570	-1.049	3.651	10.2696	13.3978	1.5179	1.4243	625	-.600	2.451	4.3331	-7.9587	8.5917	2.9661
571	-1.049	3.801	8.6374	13.3489	1.3952	1.1738	626	-.600	2.600	4.6906	-5.4075	7.6366	2.8648
572	-1.049	3.950	7.6432	13.3794	.9555	1.0520	627	-.600	2.751	4.6533	-2.9339	8.0306	3.1689
573	-1.049	4.101	6.7333	13.3478	.9431	.9545	628	-.600	2.901	5.4030	-5.5901	6.5844	3.5873
574	-1.049	4.251	6.0774	13.5405	1.1420	.7976	629	-.600	3.051	6.8142	1.2975	6.0754	2.8612
575	-.900	1.250	-12.3832	1.0881	4.6109	3.5634	630	-.600	3.200	7.4930	3.9031	5.7786	2.4760
576	-.900	1.400	-13.2391	1.1899	6.4028	4.4678	631	-.600	3.350	7.5333	4.5703	4.6393	2.2034
577	-.900	1.551	-12.6699	1.9228	7.1376	4.3661	632	-.600	3.501	7.5148	6.1170	3.8577	1.8566
578	-.900	1.700	-13.3178	.2738	7.4192	4.4923	633	-.600	3.651	7.1396	7.2817	3.1759	1.8729
579	-.900	1.850	-12.4041	.9725	8.7222	7.1592	634	-.600	3.800	6.7408	8.6064	1.9134	1.3455
580	-.900	2.001	-6.7385	-.2457	12.1411	6.5975	635	-.600	3.950	5.8948	9.8413	1.2676	1.0212
581	-.900	2.151	-2.3160	.2699	12.9515	6.9148	636	-.600	4.101	5.2588	10.5175	1.0145	1.0607
582	-.900	2.300	9.2272	3.3830	10.5027	5.2357	637	-.600	4.250	4.6180	10.9811	.9640	.9247
583	-.900	2.449	11.5511	5.2265	6.7870	4.0849	638	-.450	1.250	-7.3414	-5.9406	3.5698	3.7875
584	-.900	2.600	9.6473	5.9078	6.5030	3.5805	639	-.450	1.400	-6.9195	-9.7199	4.2287	4.2024
585	-.900	2.751	9.3652	7.7169	5.5061	3.2263	640	-.450	1.551	-5.8258	-12.9377	4.2535	3.6240
586	-.900	2.900	8.4289	7.8923	6.2493	3.0057	641	-.450	1.701	-5.2387	-15.5959	4.5187	3.3605
587	-.900	3.050	9.3654	8.4159	5.2354	3.1287	642	-.450	1.850	-4.7300	-17.9640	4.7654	3.8573
588	-.900	3.200	10.7627	9.3175	4.7845	3.0211	643	-.450	2.001	-3.0289	-17.8117	5.3518	2.9166
589	-.900	3.351	11.5036	9.7068	3.9875	2.1143	644	-.450	2.151	-1.3698	-16.8779	7.0819	3.4360
590	-.900	3.500	10.6786	11.0522	2.2810	2.1960	645	-.450	2.301	-.3920	-14.7529	6.4010	3.1592
591	-.900	3.650	9.6739	11.6083	1.4427	1.6541	646	-.450	2.450	1.2271	-12.5922	7.8498	3.1041
592	-.900	3.800	8.3699	12.0493	1.4332	1.3890	647	-.450	2.601	2.1863	-9.5007	7.1705	3.1804
593	-.900	3.951	7.4289	12.1180	.9894	1.3010	648	-.450	2.751	1.6269	-7.4084	6.3425	3.1351
594	-.900	4.100	6.6020	12.6460	.9009	1.0515	649	-.450	2.901	2.2748	-5.2408	6.3421	3.0379
595	-.900	4.249	5.5954	12.7379	.8259	.8912	650	-.450	3.050	3.8449	-2.5064	6.1505	2.7919
596	-.749	1.252	-11.8451	-1.9454	4.2730	4.0177	651	-.450	3.200	5.0239	.0329	5.5189	2.3617
597	-.749	1.401	-11.8534	-3.5741	5.2942	4.1870	652	-.450	3.351	4.6004	.9962	4.3921	2.0491
598	-.749	1.549	-12.7898	-3.6211	5.6046	4.6819	653	-.450	3.501	5.4968	3.5868	3.5273	1.5449
599	-.749	1.700	-11.8954	-6.8931	6.5819	4.7368	654	-.450	3.650	5.1457	5.0793	3.0631	1.2289
600	-.749	1.851	-9.5993	-8.0794	5.8375	5.3190	655	-.450	3.800	5.2238	7.0937	2.0723	1.1981
601	-.749	2.001	-6.2425	-11.1086	7.0847	4.6020	656	-.450	3.951	4.3219	8.0748	1.4717	1.0357
602	-.749	2.150	-10.2124	-10.2124	9.8404	3.9138	657	-.450	4.101	3.8835	9.6059	.9483	.9298
603	-.749	2.300	5.7735	-6.2490	10.1771	3.3723	658	-.450	4.249	3.5326	10.6387	.8621	.8749
604	-.749	2.451	7.4141	-3.4198	9.3557	3.2882	659	-.301	1.250	-3.8053	-11.1411	3.6832	3.2962
605	-.749	2.601	7.6430	-.0571	6.8186	2.9355	660	-.301	1.400	-3.1049	-11.1411	4.0787	3.1335

TEST NUMBER 81071601 RUN NUMBER 9 X/D = 5.70

NO.	Y	Z	V	M	VS	NO.	Y	Z	V	M	VS	WS
661	-301	1.551	-1.8992	-14.9070	4.0452	716	0.000	3.501	-2.8743	2.9600	1.4521	1.4834
662	-301	1.701	-3.3341	-17.8272	3.4546	717	0.000	3.651	-1.5004	4.6651	1.2402	1.5696
663	-301	1.850	-1.8265	-18.3478	3.1536	718	0.000	3.800	-1.1294	6.2923	1.2136	1.1998
664	-301	2.001	-3.0604	-19.2609	4.1341	719	0.000	3.949	-7.7022	7.6425	.9772	.9130
665	-301	2.151	-3.4118	-18.9612	4.3548	720	0.000	4.101	-2.2108	8.8396	.7658	.6349
666	-301	2.301	-2.3907	-17.5756	5.4830	721	0.000	4.250	-9.0779	9.9191	.6888	.7004
667	-301	2.450	-2.8237	-15.4366	4.6306	722	.150	1.251	14.5340	-3.6287	4.4265	2.7548
668	-301	2.601	-1.9138	-12.4772	5.7027	723	.150	1.401	12.5823	-7.7287	9.1158	3.8080
669	-301	2.751	-2.1077	-10.4647	4.6469	724	.150	1.551	8.9003	-12.1221	4.4735	3.3109
670	-301	2.901	-8.5506	-7.7662	4.3345	725	.150	1.700	5.8394	-14.2361	4.2494	4.1063
671	-301	3.050	-8.1112	-5.3420	4.5781	726	.150	1.851	-1.6990	-16.2671	3.1415	4.6729
672	-301	3.200	1.3798	-2.4763	4.6743	727	.150	2.001	-5.2681	-16.6721	3.0864	6.2255
673	-301	3.351	2.2698	-0.0626	4.5509	728	.150	2.151	-8.4424	-13.6880	3.1083	6.1159
674	-301	3.501	2.7418	2.2922	2.9544	729	.150	2.300	-9.6809	-11.5398	2.9371	6.9689
675	-301	3.650	2.4831	4.2071	2.5853	730	.150	2.450	-10.4160	-10.0415	2.5490	6.9529
676	-301	3.800	2.9056	6.1581	1.9507	731	.150	2.601	-10.5666	-7.8549	2.6430	6.7481
677	-301	3.951	2.7376	7.5738	1.5748	732	.150	2.751	-9.9251	-6.0299	2.6477	6.6998
678	-301	4.100	2.4813	9.0197	1.0906	733	.150	2.900	-10.0076	-3.7109	2.2888	4.7622
679	-301	4.249	2.2938	10.0815	1.0638	734	.150	3.051	-9.3676	-1.6216	1.3885	3.8537
680	-150	1.251	3.2572	-5.1399	4.4423	735	.150	3.201	-7.5981	-1.7643	1.8814	3.2889
681	-150	1.401	2.9205	-10.3007	4.4471	736	.150	3.351	-6.3603	2.2720	1.1897	2.2724
682	-150	1.551	1.7928	-15.1182	3.9904	737	.150	3.500	-5.1007	4.0311	1.0153	1.7214
683	-150	1.700	-1.362	-17.7866	3.1332	738	.150	3.650	-3.8071	5.8413	.9107	1.2103
684	-150	1.850	-1.5047	-19.3984	3.4981	739	.150	3.801	-2.6665	7.1171	.8948	1.0606
685	-150	2.001	-3.0928	-19.7295	3.4237	740	.150	3.950	-2.0413	8.2291	.8688	.8750
686	-150	2.151	-3.7912	-19.3572	3.1645	741	.150	4.099	-2.7144	9.3414	.7150	.8204
687	-150	2.300	-3.8994	-17.8802	4.9305	742	.150	4.249	-1.1586	10.2426	.7900	.6472
688	-150	2.450	-5.9447	-15.4673	2.6859	743	.150	4.399	17.3040	-1.6903	4.3787	3.0767
689	-150	2.601	-3.3294	-13.2457	3.4882	744	.150	4.549	16.4955	-3.4759	5.4057	4.2899
690	-150	2.751	-5.2488	-10.6561	3.6620	745	.150	4.699	13.1163	-7.1980	4.9481	4.2267
691	-150	2.900	-2.3464	-6.4744	5.4512	746	.150	4.849	8.9446	-10.2178	5.5375	4.1503
692	-150	3.050	-3.7057	-5.1676	2.5560	747	.150	5.000	2.7144	-13.0023	5.1065	4.9113
693	-150	3.201	-2.5567	-2.4126	2.7762	748	.150	5.151	-6.2493	-14.0752	4.2019	7.7645
694	-150	3.351	-9.9528	-1.071	2.1815	749	.150	5.300	-11.4897	-10.5034	3.9430	7.1915
695	-150	3.500	-3.087	2.0244	2.3282	750	.150	5.450	-13.2412	-6.3718	2.9399	8.0637
696	-150	3.650	.3989	4.2679	1.6984	751	.150	5.600	-12.3650	-4.4760	2.7600	6.3915
697	-150	3.800	.9625	6.0825	1.3400	752	.150	5.750	-12.7214	-2.5829	2.6247	6.7592
698	-150	3.950	1.1636	7.6222	1.2535	753	.150	5.900	-13.4768	-1.0444	2.6280	5.3016
699	-150	4.099	1.1733	8.8402	1.1009	754	.150	6.050	-13.2898	.0677	2.0053	3.9851
700	-150	4.249	1.1053	9.8131	1.0419	755	.150	6.200	-11.6812	1.9659	1.9903	3.5405
701	0.000	1.252	9.1189	-4.7924	4.2863	756	.150	6.350	-10.0004	3.6353	1.7157	2.6364
702	0.000	1.401	8.2004	-4.5137	4.5148	757	.150	6.500	-8.3414	5.1595	1.3056	2.2184
703	0.000	1.550	5.3167	-13.8627	4.2804	758	.150	6.650	-6.8647	6.0194	1.0309	1.5159
704	0.000	1.701	2.5204	-16.7103	3.4009	759	.150	6.800	-5.3795	6.9095	1.0603	1.3496
705	0.000	1.852	-1.5463	-18.2004	3.2956	760	.150	6.950	-4.1655	8.1105	.5998	.8577
706	0.000	2.001	-3.9177	-18.1582	2.9529	761	.150	7.100	-3.4485	9.0190	.7261	.8133
707	0.000	2.151	-5.8885	-17.4200	2.6428	762	.150	7.250	-2.4169	9.7151	.6081	.6748
708	0.000	2.301	-7.4442	-15.1475	2.7636	763	.150	7.400	-2.0853	10.5471	.5703	.6443
709	0.000	2.451	-8.1758	-13.4272	3.1466	764	.150	7.550	18.3956	.6450	4.0340	4.0392
710	0.000	2.601	-7.6326	-11.4322	3.0471	765	.150	7.700	17.3956	-2.089	4.4790	4.3254
711	0.000	2.750	-6.8073	-9.3305	2.5893	766	.150	7.850	15.6013	.9953	4.8282	4.8478
712	0.000	2.901	-7.2909	-6.1222	2.3975	767	.150	8.000	13.1390	-3.5604	6.2282	7.2038
713	0.000	3.051	-5.8856	-3.8007	2.5425	768	.150	8.150	10.5450	-1.9392	9.5051	10.1347
714	0.000	3.200	-5.4960	-1.5244	1.4469	769	.150	8.300	-10.2041	-3.4966	6.5707	10.9596
715	0.000	3.350	-3.4482	.8291	1.6206	770	.150	8.450	-15.0031	-2.3688	4.4523	9.5288

TEST NUMBER 81011501 RUN NUMBER 9 X/D = 5.70

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
771	.950	2.301	-15.4786	-2.2744	3.8005	6.6721	826	.750	4.249	-3.0236	12.4017	.4709	.5269
772	.950	2.450	-13.7468	.4030	2.9821	7.3794	827	.900	1.252	12.3513	9.1072	3.5007	4.2098
773	.950	2.600	-14.1728	2.5750	3.4154	5.7185	828	.900	1.401	11.9535	13.4853	3.6146	5.5139
774	.950	2.751	-14.9590	3.6167	3.1025	5.3780	829	.900	1.550	10.6983	17.6921	3.7051	4.9734
775	.950	2.901	-14.3839	4.1359	2.5694	3.5888	830	.900	1.700	7.2832	21.0194	3.7531	5.0013
776	.950	3.050	-13.4237	5.2354	1.9314	3.5734	831	.900	1.851	.6709	23.4376	4.7943	4.9168
777	.950	3.199	-11.4806	6.2434	1.8318	2.0489	832	.900	2.001	-3.6706	22.8769	4.2157	4.4804
778	.950	3.350	-9.5233	7.0808	1.0949	1.4888	833	.900	2.150	-8.3701	21.8775	3.9978	3.6602
779	.950	3.501	-8.0526	8.0271	1.0256	1.1399	834	.900	2.300	-11.5022	18.7650	4.5539	4.0717
780	.950	3.650	-6.3955	8.6609	.9501	.9981	835	.900	2.451	-12.9264	16.4234	3.0176	4.2683
781	.950	3.799	-5.2678	9.1974	.7603	.7184	836	.900	2.601	-13.3269	15.9334	3.5026	4.0442
782	.950	3.950	-4.2419	9.8571	.5574	.7325	837	.900	2.749	-14.9756	15.7359	2.6540	2.6971
783	.950	4.100	-3.3792	10.5515	.5682	.7394	838	.900	2.899	-15.4619	14.5383	2.1233	1.7509
784	.950	4.249	-2.6829	11.0937	.5938	.6858	839	.900	3.051	-13.9480	14.1334	1.4839	1.3711
785	.950	4.400	-17.8040	3.9769	2.8929	4.5686	840	.900	3.200	-12.2438	13.2788	.9615	.8021
786	.950	1.401	17.4675	6.8189	3.8692	5.2857	841	.900	3.349	-10.5248	12.7506	1.0663	.8021
787	.950	1.551	15.1361	6.7516	4.8870	6.3246	842	.900	3.500	-8.8549	12.5401	.7228	.7762
788	.950	1.700	13.1665	6.2494	5.3880	7.6423	843	.900	3.650	-7.5678	12.4071	.6542	.6281
789	.950	1.849	7.3873	11.5898	6.2144	9.4814	844	.900	3.800	-6.5692	12.4755	.5652	.7182
790	.950	2.001	-7.6481	10.4448	7.4668	10.9894	845	.900	3.949	-5.4354	12.5921	.5763	.6979
791	.950	2.151	-15.4739	9.5786	5.7795	6.1452	846	.900	4.099	-4.6953	12.7376	.4915	.5725
792	.950	2.300	-15.8982	7.7139	4.6717	5.7562	847	.900	4.250	-4.0264	12.9785	.4640	.5943
793	.950	2.449	-15.2130	7.2590	3.3419	5.9207	848	1.050	1.251	.55737	9.4106	5.5146	6.4625
794	.950	2.600	-14.5571	7.0438	3.3210	5.1043	849	1.050	1.401	7.3417	14.6446	4.4075	4.1268
795	.950	2.751	-14.9996	7.8420	3.1268	4.5520	850	1.050	1.550	6.7507	18.4822	4.3942	4.7398
796	.950	2.900	-14.6930	7.3510	2.7185	4.1376	851	1.050	1.699	3.0889	22.1491	4.6070	4.8826
797	.950	3.049	-14.3933	8.2425	2.3102	2.8049	852	1.050	1.850	1.1395	23.7875	4.6885	4.1015
798	.950	3.200	-12.3474	9.6564	1.8250	1.2953	853	1.050	2.001	-3.2272	23.9073	3.8516	3.7259
799	.950	3.351	-10.4668	9.1593	1.4409	.9431	854	1.050	2.150	-7.1215	22.8193	4.0436	3.5122
800	.950	3.500	-8.5078	9.6493	1.0680	.6976	855	1.050	2.299	-9.8157	21.6756	3.2695	4.1696
801	.950	3.649	-7.0527	9.9675	.6100	.9064	856	1.050	2.450	-12.5192	20.3173	3.4568	3.8283
802	.950	3.800	-5.9413	10.4079	.6449	.7008	857	1.050	2.600	-12.6583	18.8570	3.0164	3.5302
803	.950	3.950	-4.9444	10.7917	.6350	.6918	858	1.050	2.750	-14.5532	18.3114	2.3174	2.2410
804	.950	4.099	-3.9719	11.3069	.5190	.6531	859	1.050	2.899	-13.7300	16.8392	1.6735	1.7782
805	.950	4.249	-3.4319	11.7359	.6355	.6352	860	1.050	3.050	-12.7441	15.9196	1.2406	1.1866
806	.750	1.250	15.1692	6.8448	3.4267	5.2047	861	1.050	3.200	-11.3406	14.7825	.9060	.9873
807	.750	1.400	15.6478	10.7001	3.5740	5.1089	862	1.050	3.350	-9.9996	14.0831	.7314	.8394
808	.750	1.551	13.9704	13.8770	3.5389	6.8966	863	1.050	3.499	-8.7154	13.7877	.6947	.7527
809	.750	1.701	9.5792	17.6757	4.1554	7.0428	864	1.050	3.650	-7.6317	13.6285	.6538	.7709
810	.750	1.849	2.9827	21.1586	4.7845	5.3897	865	1.050	3.800	-6.5542	13.4479	.5857	.7706
811	.750	2.000	-4.8461	20.9148	5.0064	5.6602	866	1.050	3.949	-5.7014	13.3301	.5743	.6180
812	.750	2.151	-11.9391	17.5883	5.4267	3.8172	867	1.050	4.099	-5.0053	13.5809	.4672	.6695
813	.750	2.301	-14.6016	15.4697	3.9411	3.9510	868	1.050	4.249	-4.2751	13.4828	.5352	.6207
814	.750	2.449	-14.2401	13.3884	3.6596	4.3070	869	1.200	1.250	2.9085	13.0972	4.0174	7.1510
815	.750	2.600	-14.3165	11.9162	3.1982	4.9078	870	1.200	1.401	2.8847	17.2242	4.0541	6.9902
816	.750	2.751	-15.7792	11.0853	3.1013	4.6363	871	1.200	1.551	4.3921	20.1262	4.0070	6.1683
817	.750	2.901	-15.4616	11.6555	1.8305	3.8208	872	1.200	1.700	2.7399	21.6132	3.8537	4.6709
818	.750	3.049	-14.3669	11.4883	1.6685	1.8192	873	1.200	1.849	-6.226	23.8711	4.3626	4.9592
819	.750	3.200	-12.2453	11.4424	1.1703	1.0342	874	1.200	2.000	-2.7998	24.7737	4.2243	4.2148
820	.750	3.351	-10.6263	10.9537	.9419	1.0758	875	1.200	2.151	-5.7673	23.7328	3.2046	3.8664
821	.750	3.500	-8.8358	11.1021	.7259	.6884	876	1.200	2.300	-8.0706	22.8418	3.3009	4.5317
822	.750	3.649	-7.5640	11.2250	.6723	.5984	877	1.200	2.449	-10.9788	22.1931	2.7440	3.3067
823	.750	3.800	-6.3863	11.5148	.6605	.5870	878	1.200	2.600	-11.5998	21.3488	2.0405	2.6897
824	.750	3.950	-5.2571	11.7778	.5257	.5970	879	1.200	2.751	-12.4994	19.7530	1.7529	1.9287
825	.750	4.100	-4.4454	12.0802	.6112	.5728	880	1.200	2.900	-12.0170	18.0537	.8407	1.1164

TEST NUMBER 81071601 RUN NUMBER 9 X/D = 5.70

NO.	Y	Z	V	M	VS	WS	NO.	Y	Z	V	M	VS	WS
881	1.200	3.049	-11.3611	17.1185	.6485	1.0854	917	1.500	2.151	-5.8454	25.0357	1.7354	2.4241
882	1.200	3.200	-10.3349	16.1309	.6987	1.0203	918	1.500	2.300	-7.8843	24.6801	1.3471	1.2771
883	1.200	3.350	-9.1509	15.2978	.5835	.8264	919	1.500	2.451	-8.5147	23.5503	1.4514	1.3631
884	1.200	3.500	-8.2417	14.8867	.7201	.6177	920	1.500	2.601	-8.9226	22.2142	1.0797	1.2059
885	1.200	3.649	-7.3302	14.5286	.4798	.7346	921	1.500	2.751	-9.4297	20.7689	.7362	.9229
886	1.200	3.800	-6.5407	14.1855	.5702	.6683	922	1.500	2.900	-9.1397	19.4425	.6354	.8321
887	1.200	3.950	-5.6859	14.1450	.5237	.5791	923	1.500	3.051	-8.8778	18.5569	.6538	1.2081
888	1.200	4.099	-4.9834	14.0556	.4937	.6023	924	1.500	3.201	-8.5877	17.6382	.5522	.8139
889	1.200	4.249	-4.3550	14.0328	.5525	.6029	925	1.500	3.350	-7.7314	16.8001	.4999	.7309
890	1.350	1.251	1.1704	21.8854	1.5951	5.0123	926	1.500	3.499	-7.0350	16.3305	.5277	.6981
891	1.350	1.399	2.1506	21.6726	2.1864	5.9836	927	1.500	3.650	-6.5010	15.7936	.5328	.7234
892	1.350	1.551	2.3081	22.3165	2.8415	6.2300	928	1.500	3.801	-5.9054	15.5433	.5287	.5856
893	1.350	1.701	.9719	23.9380	3.0795	5.0197	929	1.500	3.950	-5.3305	15.2808	.4531	.7813
894	1.350	1.850	-.8776	24.5971	2.4958	5.1541	930	1.500	4.099	-4.7839	15.1831	.5159	.5828
895	1.350	1.999	-3.2035	25.3382	2.8746	3.9206	931	1.500	4.249	-4.2666	15.0171	.6259	.5695
896	1.350	2.151	-5.3529	24.8416	2.9322	4.0411	932	1.500	4.251	-.0925	24.1344	1.0954	1.4478
897	1.350	2.301	-7.5741	24.4530	2.5333	3.8516	933	1.500	1.401	-.5790	24.4552	1.1331	1.3507
898	1.350	2.450	-.8350	23.4558	2.0307	2.0559	934	1.500	1.552	-.8537	24.7855	1.2862	1.2062
899	1.350	2.599	-10.4420	22.0352	1.3607	1.9605	935	1.500	1.701	-1.7922	25.0402	1.5961	.9892
900	1.350	2.751	-10.8138	20.6402	1.0246	1.3940	936	1.500	1.850	-2.8413	25.2644	1.6367	.9468
901	1.350	2.901	-10.5793	18.9226	.8561	1.1764	937	1.500	2.001	-4.3993	24.7992	1.3518	1.0397
902	1.350	3.050	-10.0160	17.9345	.7173	1.0991	938	1.500	2.152	-5.3703	24.4595	1.2193	.9590
903	1.350	3.199	-.82937	16.8984	.6570	.9682	939	1.500	2.301	-6.5166	23.6506	1.1897	.9529
904	1.350	3.350	-8.6428	16.2702	.5513	.7759	940	1.500	2.450	-7.2864	22.9139	1.2054	.9513
905	1.350	3.501	-7.7681	15.7019	.5528	.7669	941	1.500	2.601	-7.7935	21.7420	.8060	.9607
906	1.350	3.650	-6.9266	15.2030	.5370	.6765	942	1.500	2.751	-7.9626	20.5593	.7988	.9836
907	1.350	3.799	-6.2048	14.9792	.5407	.7123	943	1.500	2.901	-7.9703	19.7872	.7837	.7269
908	1.350	3.950	-5.6860	14.7662	.5277	.7119	944	1.500	3.050	-7.8430	18.9220	.4688	.9014
909	1.350	4.100	-5.0506	14.5718	.4842	.5501	945	1.500	3.201	-7.4844	17.9221	.5409	.8111
910	1.350	4.249	-.43457	14.6118	.5148	.6872	946	1.500	3.351	-7.0818	17.2003	.4913	.7542
911	1.500	1.251	.3046	24.1335	1.3727	2.6794	947	1.500	3.501	-6.5629	16.9267	.4763	.6600
912	1.500	1.401	.3452	24.5814	1.6484	1.9573	948	1.500	3.650	-6.1189	16.4322	.4268	.7271
913	1.500	1.551	-.2465	25.1862	1.6205	1.8333	949	1.500	3.800	-5.8872	15.9922	.6130	.6602
914	1.500	1.700	-.4388	25.5023	2.2408	3.1833	950	1.500	3.951	-5.1669	15.8692	.5984	.6150
915	1.500	1.851	-2.2638	25.6280	2.2466	3.3007	951	1.500	4.100	-4.5955	15.6255	.5249	.6849
916	1.500	2.001	-4.4215	25.7554	1.8187	2.1066	952	1.500	4.249	-4.2437	15.4466	.4414	.7107



## APPENDIX B

The measured surface pressures are provided in this appendix at pressure stations 1 to 4 (see Figure 1). Due to equipment problems, data at pressure stations 5 and 6 were not acquired in all tests and this information has been omitted from the listed results for all runs. The symbols appearing in the data list are defined as follows:

- PHI - Circumferential angle measured from the leeward plane.
- X/D -  $x/D$  (see Figure 1)
- CP - Average pressure coefficient based on a sample of 100 measurements.  
Here CP is defined as  $(p - p_{\infty})/q\sin^2$ .
- SCP - Standard deviation of the pressure coefficient using a sample of 100 measurements.
- CN - Local normal force coefficient:  $\text{normal force}/(Dq\sin^2)$
- CY - Local side force coefficient:  $\text{side force}/(Dq\sin^2)$

In runs 1 and 2, two sets of data are listed. During these tests, substantial fluctuation in the measured pressure was seen and the listed data sets produced the highest and lowest side force values. In the remaining tests, pressures were fairly stable throughout each experiment and the presented data represents a typical set of measurements. A tape containing this information is available on request.

TEST NUMBER R1061602 RUN NUMBER 1

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.079	.028	.991	.028	.986	.032	.976	.030
2	-165.00	.968	.030	.908	.034	.965	.034	.988	.032
3	-150.00	.399	.040	.386	.046	.525	.054	.606	.054
4	-135.00	-.461	.050	-.434	.062	-.161	.090	-.003	.098
5	-120.00	-1.316	.044	-1.187	.074	-.827	.114	-.578	.174
6	-105.00	-1.926	.058	-1.526	.088	-.948	.188	-.556	.196
7	-90.00	-1.758	.060	-1.257	.082	-.767	.150	-.474	.144
8	-75.00	-1.647	.058	-1.248	.104	-.763	.164	-.472	.186
9	-60.00	-1.684	.078	-1.309	.088	-.778	.160	-.546	.146
10	-45.00	-1.701	.078	-1.335	.094	-.865	.138	-.630	.172
11	-30.00	-1.971	.092	-1.486	.112	-.932	.180	-.684	.188
12	-15.00	-2.079	.118	-1.464	.110	-.953	.214	-.599	.208
13	0.00	-.927	.048	-.626	.050	-.506	.148	-.939	.458
14	15.00	-1.572	.074	-1.609	.136	-1.641	.356	-2.056	.488
15	30.00	-1.969	.108	-1.841	.136	-1.833	.186	-1.903	.296
16	45.00	-1.887	.114	-1.950	.124	-1.796	.190	-1.759	.268
17	60.00	-1.961	.078	-1.814	.108	-1.776	.186	-1.758	.242
18	75.00	-1.878	.058	-1.711	.112	-1.677	.202	-1.797	.266
19	90.00	-1.881	.068	-1.677	.104	-1.652	.170	-1.708	.258
20	105.00	-2.212	.054	-1.907	.144	-1.846	.224	-1.813	.370
21	120.00	-1.899	.050	-1.882	.090	-1.896	.140	-1.950	.226
22	135.00	-1.042	.052	-1.126	.070	-1.190	.140	-1.255	.152
23	150.00	-.067	.042	-.200	.060	-.274	.078	-.292	.112
24	165.00	.737	.040	.584	.036	.563	.054	.511	.058
CN		1.760		1.455		1.286		1.191	
CY		.270		.502		.909		1.205	

TEST NUMBER R1061602 RUN NUMBER 1

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.090	.028	1.000	.032	1.019	.026	1.104	.034
2	-165.00	.961	.036	.873	.034	.932	.036	.930	.048
3	-150.00	.355	.040	.298	.046	.379	.076	.424	.098
4	-135.00	-.508	.040	-.564	.080	-.349	.106	-.306	.194
5	-120.00	-1.408	.058	-1.353	.080	-1.165	.176	-.984	.246
6	-105.00	-2.007	.048	-1.723	.112	-1.325	.196	-1.097	.366
7	-90.00	-1.842	.062	-1.446	.092	-1.135	.188	-.961	.266
8	-75.00	-1.734	.058	-1.437	.088	-1.127	.174	-.991	.252
9	-60.00	-1.788	.066	-1.471	.104	-1.132	.184	-.949	.286
10	-45.00	-1.771	.090	-1.474	.104	-1.209	.164	-.951	.318
11	-30.00	-1.951	.122	-1.582	.130	-1.236	.226	-1.130	.356
12	-15.00	-2.047	.132	-1.677	.132	-1.378	.202	-1.304	.428
13	0.00	-.860	.052	-.730	.058	-.521	.156	-.543	.248
14	15.00	-1.543	.074	-1.397	.118	-1.153	.322	-1.151	.558
15	30.00	-1.860	.120	-1.482	.096	-1.132	.164	-1.007	.288
16	45.00	-1.806	.122	-1.524	.112	-1.176	.228	-.855	.260
17	60.00	-1.827	.074	-1.488	.092	-.961	.190	-.842	.256
18	75.00	-1.719	.066	-1.391	.088	-1.028	.182	-.761	.240
19	90.00	-1.725	.066	-1.383	.084	-.999	.182	-.789	.262
20	105.00	-2.063	.068	-1.557	.120	-1.130	.234	-.809	.302
21	120.00	-1.770	.056	-1.613	.116	-1.327	.218	-1.151	.356
22	135.00	-.957	.056	-.941	.080	-.886	.168	-.746	.216
23	150.00	.003	.046	-.107	.062	-.035	.106	-.053	.138
24	165.00	.761	.034	.644	.042	.657	.060	.661	.076
CN		1.748		1.430		1.234		1.042	
CY		.086		.054		.013		-.022	

TEST NUMBER 81061701 RUN NUMBER 2

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.081	.030	.987	.026	1.031	.030	1.022	.024
2	-165.00	.917	.034	.806	.030	.843	.038	.813	.044
3	-150.00	.300	.038	.212	.044	.231	.070	.223	.082
4	-135.00	-.590	.044	-.704	.066	-.647	.086	-.647	.134
5	-120.00	-1.447	.052	-1.513	.076	-1.426	.154	-1.445	.214
6	-105.00	-2.068	.054	-1.939	.088	-1.813	.200	-1.807	.272
7	-90.00	-1.896	.062	-1.641	.112	-1.513	.190	-1.581	.270
8	-75.00	-1.779	.058	-1.633	.096	-1.516	.216	-1.569	.212
9	-60.00	-1.825	.064	-1.679	.102	-1.579	.170	-1.588	.224
10	-45.00	-1.789	.088	-1.713	.098	-1.553	.166	-1.599	.224
11	-30.00	-2.345	.128	-1.748	.112	-1.758	.188	-1.676	.264
12	-15.00	-2.508	.138	-1.803	.144	-1.853	.184	-2.117	.286
13	0.00	-.819	.050	-.769	.066	-.946	.262	-1.530	.614
14	15.00	-1.476	.080	-1.238	.102	-.715	.168	-.505	.194
15	30.00	-1.747	.108	-1.414	.116	-.965	.148	-.758	.284
16	45.00	-1.731	.132	-1.483	.124	-.927	.168	-.607	.178
17	60.00	-1.790	.072	-1.386	.114	-.820	.152	-.665	.226
18	75.00	-1.674	.060	-1.297	.096	-.812	.126	-.586	.202
19	90.00	-1.667	.054	-1.260	.086	-.815	.126	-.521	.176
20	105.00	-2.011	.050	-1.446	.082	-.911	.172	-.527	.170
21	120.00	-1.701	.052	-1.460	.082	-1.068	.136	-.718	.178
22	135.00	-.873	.052	-.803	.068	-.561	.112	-.395	.146
23	150.00	.044	.044	.022	.056	.152	.074	.276	.086
24	165.00	.778	.032	.692	.038	.770	.038	.798	.052
CN		1.811		1.465		1.373		1.310	
CY		-.058		-.231		-.570		-.845	

TEST NUMBER 81061701 RUN NUMBER 2

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.074	.026	.994	.026	.994	.026	.997	.024
2	-165.00	.927	.030	.823	.032	.825	.032	.813	.044
3	-150.00	.320	.038	.215	.044	.235	.068	.207	.086
4	-135.00	-.578	.044	-.687	.064	-.653	.102	-.632	.130
5	-120.00	-1.427	.046	-1.510	.082	-1.450	.136	-1.478	.202
6	-105.00	-2.059	.052	-1.904	.106	-1.789	.224	-1.441	.112
7	-90.00	-1.868	.058	-1.607	.104	-1.385	.094	-1.476	.320
8	-75.00	-1.749	.054	-1.616	.086	-1.476	.190	-1.505	.252
9	-60.00	-1.794	.064	-1.645	.098	-1.527	.186	-1.498	.276
10	-45.00	-1.779	.084	-1.683	.120	-1.509	.160	-1.578	.254
11	-30.00	-2.288	.106	-1.722	.132	-1.688	.172	-1.654	.244
12	-15.00	-2.459	.106	-1.729	.122	-1.780	.198	-1.939	.456
13	0.00	-.823	.056	-.738	.068	-.900	.252	-1.285	.510
14	15.00	-1.761	.024	-1.433	.032	-.798	.182	-.590	.196
15	30.00	-1.768	.122	-1.477	.108	-1.057	.162	-.880	.250
16	45.00	-1.733	.124	-1.531	.106	-1.028	.164	-.676	.170
17	60.00	-1.796	.074	-1.428	.098	-.920	.178	-.697	.214
18	75.00	-1.714	.056	-1.339	.088	-.939	.158	-.706	.206
19	90.00	-1.704	.058	-1.323	.098	-.936	.164	-.683	.198
20	105.00	-2.021	.052	-1.472	.102	-.968	.166	-.628	.224
21	120.00	-1.728	.048	-1.498	.076	-1.167	.174	-.865	.230
22	135.00	-.891	.044	-.829	.070	-.612	.120	-.468	.162
23	150.00	.031	.034	-.013	.044	.099	.086	.174	.110
24	165.00	.782	.026	.693	.032	.792	.046	.755	.054
CN		1.835		1.481		1.344		1.249	
CY		-.005		-.161		-.441		-.659	

## TEST NUMBER 81070702 RUN NUMBER 3

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.074	.036	.956	.034	.923	.034	.929	.034
2	-165.00	1.035	.036	.989	.034	.997	.034	.955	.036
3	-150.00	.552	.038	.594	.036	.676	.034	.569	.040
4	-135.00	-.211	.052	-.042	.036	.105	.036	-.078	.052
5	-120.00	-1.007	.056	-.671	.048	-.375	.050	-.697	.084
6	-105.00	-1.489	.052	-.816	.066	-.410	.062	-.884	.138
7	-90.00	-1.280	.054	-.620	.066	-.318	.052	-.762	.138
8	-75.00	-1.231	.062	-.647	.062	-.346	.054	-.825	.140
9	-60.00	-1.278	.078	-.690	.074	-.391	.072	-.941	.144
10	-45.00	-1.247	.078	-.662	.060	-.446	.054	-1.027	.182
11	-30.00	-1.466	.080	-.687	.064	-.546	.088	-1.152	.124
12	-15.00	-1.507	.078	-.758	.058	-1.344	.188	-2.098	.106
13	0.00	-.947	.062	-1.109	.158	-2.419	.242	-2.572	.196
14	15.00	-1.900	.128	-2.837	.198	-2.541	.218	-2.031	.140
15	30.00	-2.519	.172	-2.708	.182	-2.636	.218	-1.898	.122
16	45.00	-2.287	.116	-2.656	.140	-2.867	.170	-1.947	.116
17	60.00	-2.369	.084	-2.625	.084	-2.745	.094	-2.034	.150
18	75.00	-2.295	.066	-2.495	.044	-2.688	.070	-2.062	.128
19	90.00	-2.341	.064	-2.549	.090	-2.697	.082	-2.042	.100
20	105.00	-2.686	.056	-2.975	.098	-3.095	.060	-2.340	.168
21	120.00	-2.253	.052	-2.544	.058	-2.671	.050	-2.212	.082
22	135.00	-1.304	.048	-1.568	.052	-1.713	.048	-1.435	.064
23	150.00	-.264	.040	-.472	.046	-.545	.038	-.436	.046
24	165.00	.601	.040	.449	.040	.360	.038	.430	.040
CN		1.577		1.448		1.678		1.644	
CY		1.038		1.807		2.147		1.144	

## TEST NUMBER 81070701 RUN NUMBER 4

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.092	.034	.977	.032	.924	.032	.905	.034
2	-165.00	1.042	.032	1.000	.032	1.004	.030	.977	.032
3	-150.00	.537	.040	.590	.040	.694	.034	.636	.040
4	-135.00	-.245	.038	-.084	.044	.129	.034	.068	.046
5	-120.00	-1.070	.050	-.767	.056	-.356	.044	-.440	.066
6	-105.00	-1.612	.052	-.979	.064	-.372	.054	-.519	.094
7	-90.00	-1.414	.060	-.745	.060	-.284	.054	-.428	.098
8	-75.00	-1.344	.068	-.774	.072	-.307	.050	-.499	.092
9	-60.00	-1.390	.068	-.787	.070	-.351	.068	-.558	.110
10	-45.00	-1.397	.086	-.764	.080	-.393	.074	-.599	.122
11	-30.00	-1.606	.080	-.807	.078	-.444	.062	-.925	.126
12	-15.00	-1.636	.096	-.832	.068	-.447	.160	-2.053	.196
13	0.00	-.970	.064	-.779	.102	-2.381	.326	-2.820	.240
14	15.00	-1.609	.130	-2.528	.190	-2.559	.220	-2.314	.190
15	30.00	-2.214	.126	-2.480	.132	-2.639	.216	-2.291	.168
16	45.00	-2.121	.138	-2.352	.130	-2.654	.170	-2.294	.142
17	60.00	-2.258	.090	-2.410	.090	-2.676	.106	-2.227	.116
18	75.00	-2.131	.068	-2.249	.084	-2.598	.090	-2.286	.108
19	90.00	-2.129	.070	-2.276	.078	-2.606	.098	-2.309	.088
20	105.00	-2.475	.062	-2.621	.106	-2.969	.080	-2.630	.094
21	120.00	-2.110	.048	-2.350	.074	-2.621	.062	-2.445	.058
22	135.00	-1.226	.044	-1.427	.052	-1.717	.048	-1.570	.052
23	150.00	-.189	.040	-.381	.048	-.585	.042	-.512	.046
24	165.00	.647	.034	.478	.034	.368	.036	.366	.034
CN		1.566		1.372		1.522		1.698	
CY		.776		1.477		2.129		1.658	

## TEST NUMBER 81070802 RUN NUMBER 5

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.064	.036	.956	.038	.919	.038	.931	.034
2	-165.00	1.041	.036	.992	.030	1.011	.036	.964	.034
3	-150.00	.548	.040	.609	.034	.691	.036	.598	.048
4	-135.00	-.201	.044	-.029	.042	.140	.038	-.004	.058
5	-120.00	-.981	.046	-.662	.050	-.331	.040	-.585	.074
6	-105.00	-1.494	.048	-.813	.066	-.358	.056	-.803	.142
7	-90.00	-1.265	.058	-.611	.062	-.272	.060	-.695	.132
8	-75.00	-1.225	.066	-.638	.060	-.297	.050	-.726	.128
9	-60.00	-1.237	.072	-.668	.072	-.339	.068	-.814	.156
10	-45.00	-1.228	.082	-.634	.068	-.402	.062	-.925	.188
11	-30.00	-1.449	.078	-.688	.064	-.518	.084	-1.043	.130
12	-15.00	-1.499	.092	-.742	.064	-1.169	.188	-2.050	.146
13	0.00	-.931	.052	-1.015	.140	-2.651	.232	-2.522	.180
14	15.00	-1.771	.140	-2.758	.188	-2.458	.190	-2.027	.152
15	30.00	-2.386	.152	-2.626	.164	-2.602	.200	-1.917	.142
16	45.00	-2.172	.130	-2.520	.132	-2.779	.156	-1.895	.108
17	60.00	-2.323	.070	-2.539	.082	-2.682	.086	-1.998	.136
18	75.00	-2.200	.064	-2.433	.098	-2.614	.084	-2.077	.126
19	90.00	-2.253	.070	-2.420	.096	-2.596	.082	-2.050	.118
20	105.00	-2.604	.060	-2.829	.090	-2.994	.066	-2.319	.118
21	120.00	-2.163	.054	-2.447	.064	-2.586	.048	-2.213	.064
22	135.00	-1.271	.052	-1.506	.058	-1.669	.044	-1.398	.058
23	150.00	-.225	.044	-.430	.046	-.550	.042	-.405	.048
24	165.00	.622	.040	.461	.042	.390	.042	.431	.042
CN		1.678		1.543		1.738		1.745	
CY		.972		1.726		2.122		1.218	

## TEST NUMBER 81070803 RUN NUMBER 6

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.055	.034	.947	.038	.906	.032	.900	.034
2	-165.00	1.013	.038	.973	.036	.994	.036	.960	.036
3	-150.00	.509	.038	.574	.038	.678	.034	.624	.042
4	-135.00	-.237	.040	-.086	.038	.140	.036	.052	.050
5	-120.00	-1.059	.048	-.738	.052	-.334	.048	-.481	.074
6	-105.00	-1.582	.046	-.938	.068	-.354	.052	-.574	.102
7	-90.00	-1.372	.062	-.727	.072	-.259	.050	-.454	.106
8	-75.00	-1.295	.070	-.739	.066	-.276	.058	-.484	.092
9	-60.00	-1.331	.072	-.754	.072	-.308	.072	-.572	.106
10	-45.00	-1.366	.076	-.735	.066	-.364	.062	-.640	.124
11	-30.00	-1.556	.082	-.816	.082	-.430	.062	-.929	.140
12	-15.00	-1.588	.084	-.833	.066	-.843	.172	-1.995	.202
13	0.00	-.931	.058	-.789	.114	-2.337	.256	-2.629	.178
14	15.00	-1.723	.126	-2.585	.196	-2.431	.188	-2.195	.174
15	30.00	-2.328	.146	-2.492	.144	-2.591	.186	-2.148	.128
16	45.00	-2.136	.116	-2.355	.128	-2.624	.164	-2.142	.140
17	60.00	-2.235	.074	-2.426	.084	-2.621	.106	-2.154	.104
18	75.00	-2.114	.068	-2.277	.090	-2.545	.084	-2.221	.102
19	90.00	-2.144	.058	-2.295	.084	-2.582	.092	-2.214	.086
20	105.00	-2.499	.056	-2.665	.098	-2.960	.076	-2.542	.110
21	120.00	-2.113	.048	-2.347	.060	-2.572	.058	-2.345	.062
22	135.00	-1.220	.054	-1.452	.052	-1.651	.054	-1.512	.050
23	150.00	-.215	.044	-.392	.052	-.562	.046	-.478	.048
24	165.00	.621	.042	.453	.042	.370	.044	.378	.036
CN		1.689		1.490		1.607		1.746	
CY		.821		1.516		2.109		1.552	

TEST NUMBER 81062502 RUN NUMBER 7

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.094	.032	.991	.028	.937	.028	.925	.030
2	-165.00	1.041	.030	.999	.032	1.021	.032	.992	.032
3	-150.00	.532	.038	.578	.034	.706	.032	.670	.036
4	-135.00	-.240	.044	-.094	.048	.152	.040	.122	.050
5	-120.00	-1.061	.050	-.763	.052	-.325	.044	-.359	.066
6	-105.00	-1.604	.052	-1.011	.078	-.349	.066	-.399	.076
7	-90.00	-1.401	.060	-.768	.062	-.249	.056	-.315	.078
8	-75.00	-1.332	.062	-.798	.070	-.266	.050	-.354	.084
9	-60.00	-1.368	.074	-.788	.072	-.287	.066	-.429	.108
10	-45.00	-1.391	.072	-.756	.076	-.348	.068	-.486	.094
11	-30.00	-1.608	.094	-.809	.076	-.391	.062	-.799	.144
12	-15.00	-1.648	.084	-.872	.076	-.667	.152	-1.742	.254
13	0.00	-.908	.054	-.695	.082	-2.021	.300	-2.682	.232
14	15.00	-1.581	.104	-2.306	.174	-2.445	.200	-2.342	.186
15	30.00	-2.117	.132	-2.404	.124	-2.504	.194	-2.224	.150
16	45.00	-2.027	.124	-2.238	.122	-2.484	.162	-2.303	.152
17	60.00	-2.170	.076	-2.252	.096	-2.525	.106	-2.233	.098
18	75.00	-2.032	.060	-2.159	.096	-2.442	.084	-2.266	.096
19	90.00	-2.057	.036	-2.151	.116	-2.489	.034	-2.248	.080
20	105.00	-2.370	.054	-2.507	.110	-2.788	.102	-2.594	.086
21	120.00	-2.038	.050	-2.246	.074	-2.489	.072	-2.362	.054
22	135.00	-1.161	.046	-1.385	.056	-1.603	.046	-1.515	.050
23	150.00	-.155	.042	-.345	.054	-.521	.044	-.495	.044
24	165.00	.640	.032	.529	.036	.388	.034	.394	.036
CN		1.679		1.459		1.544		1.639	
CY		.704		1.363		2.036		1.734	

TEST NUMBER 81071515 RUN NUMBER 8

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.091	.028	1.000	.030	.979	.030	.974	.034
2	-165.00	1.066	.028	1.002	.028	1.014	.030	1.020	.028
3	-150.00	.628	.038	.582	.040	.650	.050	.693	.056
4	-135.00	-.117	.036	-.139	.052	.044	.072	.130	.096
5	-120.00	-1.023	.046	-.921	.060	-.663	.122	-.463	.126
6	-105.00	-1.690	.042	-1.403	.084	-.985	.140	-.713	.196
7	-90.00	-1.715	.054	-1.157	.090	-.767	.124	-.475	.176
8	-75.00	-1.491	.056	-1.122	.090	-.753	.138	-.507	.174
9	-60.00	-1.520	.060	-1.180	.084	-.788	.148	-.583	.182
10	-45.00	-1.587	.084	-1.207	.090	-.807	.134	-.565	.178
11	-30.00	-1.830	.124	-1.302	.106	-.878	.154	-.616	.172
12	-15.00	-1.826	.134	-1.317	.100	-.942	.182	-.680	.250
13	0.00	-.903	.058	-.687	.070	-.444	.154	-.494	.266
14	15.00	-1.046	.066	-.992	.062	-1.118	.302	-1.469	.460
15	30.00	-1.933	.130	-1.559	.118	-1.486	.146	-1.634	.248
16	45.00	-2.001	.122	-1.627	.116	-1.533	.182	-1.405	.240
17	60.00	-1.741	.082	-1.478	.098	-1.365	.166	-1.325	.224
18	75.00	-1.614	.076	-1.482	.084	-1.352	.134	-1.371	.228
19	90.00	-1.625	.067	-1.431	.094	-1.325	.148	-1.321	.218
20	105.00	-1.903	.064	-1.523	.106	-1.371	.188	-1.373	.264
21	120.00	-1.767	.044	-1.650	.082	-1.584	.152	-1.559	.218
22	135.00	-1.044	.044	-1.074	.070	-1.090	.104	-1.008	.140
23	150.00	-.123	.036	-.208	.044	-.743	.084	-.245	.108
24	165.00	.652	.028	.570	.038	.511	.044	.508	.070
CN		1.564		1.223		1.059		1.050	
CY		.308		.411		.661		.867	

TEST NUMBER 81071601 RUN NUMBER 9

PORT	PHI	X/D=2.6		X/D=3.6		X/D=4.7		X/D=5.7	
		CP	SCP	CP	SCP	CP	SCP	CP	SCP
1	-180.00	1.010	.030	.912	.032	.903	.032	.890	.036
2	-165.00	.996	.028	.920	.028	.953	.030	.950	.030
3	-150.00	.545	.038	.488	.038	.584	.046	.627	.052
4	-135.00	-.244	.040	-.272	.056	-.058	.082	.018	.098
5	-120.00	-1.162	.036	-1.054	.060	-.774	.114	-.578	.124
6	-105.00	-1.827	.048	-1.526	.074	-1.107	.150	-.767	.178
7	-90.00	-1.846	.058	-1.298	.084	-.878	.154	-.609	.158
8	-75.00	-1.622	.052	-1.256	.100	-.850	.124	-.629	.212
9	-60.00	-1.659	.072	-1.283	.086	-.870	.146	-.602	.164
10	-45.00	-1.736	.070	-1.339	.092	-.928	.134	-.647	.170
11	-30.00	-1.958	.116	-1.430	.098	-.964	.130	-.718	.178
12	-15.00	-1.937	.120	-1.418	.114	-1.082	.172	-.787	.270
13	0.00	-1.037	.060	-.816	.062	-.565	.150	-.581	.238
14	15.00	-1.175	.064	-1.144	.108	-1.280	.290	-1.762	.532
15	30.00	-2.084	.136	-1.729	.106	-1.620	.148	-1.870	.244
16	45.00	-2.142	.124	-1.776	.120	-1.717	.188	-1.595	.232
17	60.00	-1.885	.072	-1.668	.106	-1.541	.160	-1.570	.236
18	75.00	-1.790	.060	-1.640	.092	-1.527	.146	-1.559	.212
19	90.00	-1.782	.064	-1.562	.086	-1.517	.166	-1.469	.216
20	105.00	-2.046	.064	-1.673	.100	-1.553	.184	-1.526	.184
21	120.00	-1.933	.044	-1.816	.084	-1.767	.140	-1.771	.218
22	135.00	-1.178	.042	-1.217	.066	-1.204	.110	-1.138	.144
23	150.00	-.259	.044	-.350	.048	-.369	.090	-.383	.102
24	165.00	.563	.034	.459	.042	.437	.046	.409	.070
CN		1.723		1.363		1.212		1.096	
CY		.327		.440		.723		.959	

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